European Maritime Safety Agency

INVENTORY OF NATIONAL POLICIES REGARDING THE USE OF OIL SPILL DISPERSANTS IN THE EU MEMBER STATES 2022



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INVENTORY OF NATIONAL POLICIES AND CAPACITIES REGARDING THE USE OF OIL SPILL DISPERSANTS IN THE EU MEMBER STATES	INTRODUCTION TO EMSA'S	
THE USE OF OIL SPILL DISPERSANTS	INVENTORY OF NATIONAL POLICIES	
	AND CAPACITIES REGARDING	
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The purpose of this inventory is to provide an overview of the oil spill dispersant application capability at an EU level. The present edition of the dispersant inventory replaces previous versions published in 2005, 2007, 2010 and 2014. This update is based on information provided and verified by the competent national authorities in each Member State. This inventory contains information for each Member State regarding:

- the national rules and regulations for usage of oil spill dispersants as an at-sea oil spill response method
- the testing and approval procedures for dispersants
- the equipment and stockpiles for dispersant application, including geographic information system (GIS) based maps.

A list of dispersants which have been approved for use by various EU/EFTA/EEA countries, based on the replies from the Member States, is also provided. It should be underlined that the following list is for information purposes only.

EMSA would like to thank all parties that have contributed to the content of this document.

European Maritime Safety Agency

BACKGROUND INFORMATION

REGARDING DISPERSANT USAGE

Once oil has been spilled at sea, the primary goal of any response action is to mitigate the socio-economic and environmental impact by removing the spilled oil from the water surface as quickly as possible.

The purpose of using oil dispersants is to break the spilled oil into small droplets which are faster biodegraded in the water. When used in an appropriate and timely manner, dispersants can remove a significant amount of oil from the water surface, which reduces the exposure to marine life, sea birds and mammals, as well as shorelines. However, the underwater life may be harmed by toxicity of both oil droplets and dispersant and therefore some marine organisms will be exposed to higher levels than they would have been if dispersants had not been used.

The degree of harm that might be suffered by marine organisms exposed to dispersed oil depends on various components like the dispersed oil concentration, the duration of exposure and the rate of dispersion and dilution, as well as the inherent sensitivity of the particular organism to dispersed oil.

EMSA'S STOCKPILE PROFILE



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EMSA'S OIL POLLUTION RESPONSE – STOCKPILE PROFILE

The European Maritime Safety Agency (EMSA) offers a wide range of pollution response services to assist, upon request, European coastal States with fast, effective, and efficient response to oil and chemical marine pollution.

The services offered by the Agency can be described as a "toolbox" from which the requesting State can pick and choose the most suitable response means. Through these services, EMSA aims to complement and top-up existing response resources at national and regional level.

In case of oil pollution caused by ships or oil and gas installations, EMSA may provide operational assistance through:

The Network of Stand-by Oil Spill Response Vessels: equipped with two systems for mechanical recovery of oil (sweeping arms and boom & skimmer).
 Selected arrangements (six at the end of 2022) are also fitted with dispersant spraying capability and dispersant stock as part of the response toolbox.
 All EMSA vessels are equipped with radar-based oil slick detection system.

Moreover, selected vessels (12 at the end of 2022) are equipped with lightweight remotely piloted aircraft systems (LRPAS) that enhance the aerial overview of the operation.

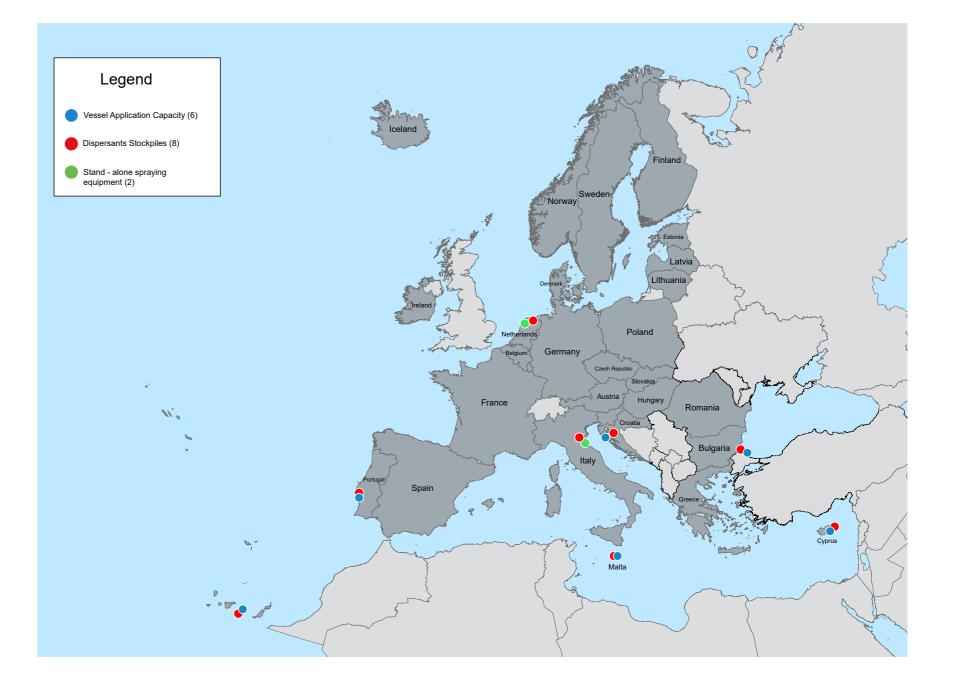
The Equipment Assistance Service (EAS): The EAS consists of stand-alone oil spill response (OSR) equipment systems and dispersants that can be provided for use by Vessels Of Opportunity (VOO). The stand-alone spraying equipment is placed in Rotterdam and Ravenna (EAS NS and EAS SE).

Vessels, Equipment and Dispersants can be provided to Requesting Parties subject to a request and signature of an Incident Response Contract.

Overview of the Vessels and EAS stockpiles is available at the following hyperlink: Operational Pollution Response Services - EMSA - European Maritime Safety Agency (europa.eu) For oil incidents, EMSA can also provide expert support on site or remotely, as well as decision support through oil spill modelling tools (OILMAP).

The Agency sustains the operational readiness of these services, through dedicated drills and exercises, and organises their quick mobilisation when requested. Once activated, the relevant services are operated under the control and responsibility of the Requesting Party





DISPERSANT INFORMATION

I. USAGE OF OIL SPILL DISPERSANTS

Competent national authorities responsible for oil pollution at sea icluding the use of dispersants	Usage of oil spill dispersants	Potential changes in current dispersant policy	National Contigency Plan (NCP)
-	EMSA assists MS during oil spill events or national/ international exercises, supplying dispersant equipment, oil spill response vessels with dispersant, and allocating dispersant stockpiles.	-	-







2. DISPERSANT TESTING AND APPROVAL

Product testing and approval scheme

	EFFICACY TEST			TOXICITY TEST			BIODEGRADABILITY TEST			
Yes/No	Yes/No	Analytical Method	Selection Criteria	Yes/No	Analytical Method	Selection Criteria	Yes/No	Analytical Method	Selection Criteria	
Yes	Yes	IFP (>60%) in France, WSL (LR448, >60%) in UK and SFT in USA/Canada (>45%)	Dispersants must achieve a minimum efficiency of 60% (UK, France); Dispersants must achieve a minimum efficiency of 50% when tested by the Mackay dispersant performance test (Australia)	Yes	Sea Test (UK); NF.T.z90-349 (France)	A dispersant should not exceed a maximum toxicity threshold to marine life	Yes (In France)	NF T90 346	For France, biodegradeability of the dispersant should be at least 50%.	

	OTHER				LIS	ST OF APPROVED DISPERSANTS
Yes/No	Analytical Method	Selection Criteria	Laboratories that perform dispersant testing	Competent authority for dispersants approval	Yes/No (If Yes please see Approved dispersant sheet)	Competent authority for publishing and frequency of revision
-	-	-	-	DEFRA in UK and CEDRE in France	Yes	-

3. RESPONSE STRATEGY

AUTHO	RISATION REQUIRED PRIOR TO DISPERSANT USE						
Yes/No	Authority which grants mission for dispersant use authorisation/per mission for dispersant use	Specific circumstances to use dispersants (geographical restrictions, etc.)	Used as a 1 st reponse option	Used as a 2 nd reponse option	Used as a last resort	Not used at all	Previous experience with dispersants
Yes	-	EMSA assists MS during oil spill events or national/international exercises, supplying dispersant equipment, oil spill response vessels with dispersant, and allocating dispersant stockpiles.	-	-	-	-	Yes

4. DISPERSANT APPLICATION EQUIPMENT AND STOCKPILES

AVAILABLE RESOURCES OF SPRAYING EQUIPMENT		AVAILABLE STOCKPILES (IF YES PLEASE SEE DISPERSANT STOCKPLILE SHEET)
(IF YES PLEASE SEE DISPERSANT SPRAYING SHEET)	Yes/no	Testing/ restesting requirements for dispersants in stockpiles
Yes	Yes	Yes

5. TRAINING AND EXERCICES

REGULAR EXERCICES AND TRAINING PROGRAMMES



6. RESOURCES AVAILABLE TO OTHERS MS IN CASE OF REQUEST FOR ASSISTANCE

DISPERSANT APPLICATION EQUIPMANT ONLY	DISPERSANT APPLICATION EQUIPMANT WITH TRAINED PERSONNEL	DISPERSANTS	PERSONNEL WITH DISPAERSANT USAGE EXPERTISE	AERIAL SURVEILLANCE	OTHER (PLEASE SPECIFY)
Yes	yes	Yes	Yes	(RPAS, CleanSeaNet images)	Oil spill response vessels with dispersants
COMMENTS					

-





APPROVED DISPERSANTS

DISPERSANTS APPROVED FOR USE

PRODUCT NAME	ТҮРЕ	COMPANY	COMMENTS
RADIAGREEN OSD	3	Supplier information: OLEON N.V. Assenedestraat 2 9940 Ertvelde - Belgium	-
DASIC SLICKGONE NS	3 and 2	Supplier information: DASIC International Ltd, Winchester Hill, Romsey, Hampshire, SO51 TYD, UK	-

DISPERSANTS APPLICATION CAPABILITY

VESSEL APPLICATION - DIPERSANT SPRAYING EQUIPMENT

			QUANTITY OPERATIONS PORT/ COASTAL/ OFFSHORE		LOCATION			CONTACT	
EQUIPMENT	OWNER	QUANTITY		CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	POINT	COMMENTS
Lamor boom spray system + dispersant tanks (capacity of 30 m3 per load) Oil spill dispersant 'Type 3', 200 tonnes (Radiagreen OSD)	EMSA Contractor: Petrogas	200 tonnes of dispersant	All	-	Las Palmas (ES)	28°7'43''	15°26'5"	-	Vessel name: Mencey



VESSEL APPLICATION - DIPERSANT SPRAYING EQUIPMENT (CONT.)

			OPERATIONS PORT/		LOCATION			CONTACT	
EQUIPMENT	OWNER	QUANTITY	COASTAL/ OFFSHORE	CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	POINT	COMMENTS
Jason twin boom spray system + dispersant tanks (capacity of 53 m3 per load) Oil spill dispersant 'Type 3', 200 tonnes (Radiagreen OSD)	EMSA Contractor: Evia Navigation Company Ltd	200 tonnes of dispersant	AII	-	Limassol (CY)	34°41'7''	33°1'59"	-	Vessel name: Alexandria
Lamor twin boom spray system + dispersant tank (capacity of 30 m3 per load) Oil spill dispersant 'Type 3', 200 tonnes (Dasic – Slickgone NS)	EMSA Contractor: Adriatic Tankers AS	200 tonnes of dispersant	All	-	Rijeka (HR)	45°19'37"	14°26'28"	-	Vessel name: Kijac
Jason twin boom spray system + dispersant tanks (capacity of 68 m3 per load) Oil spill dispersant 'Type 3', 200 tonnes (Radiagreen OSD).	EMSA Contractor: Mureloil	200 tonnes of dispersant	All	-	Sines (PT)	37°56'22''	14°26'28"	-	Vessel name: Bahia Tres

VESSEL APPLICATION - DIPERSANT SPRAYING EQUIPMENT (CONT.)

			OPERATIONS PORT/			LOCATION		CONTACT	
EQUIPMENT	OWNER	QUANTITY COASTAL/ OFFSHORI		CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	POINT	COMMENTS
Jason twin boom spray system + dispersant tanks (capacity of 33 m3 per load) Oil spill dispersant 'Type 3', 180 tonnes (Radiagreen OSD)	EMSA Contractor: Almyra Shipping Ltd	180 tonnes of dispersant	All	-	Valletta (MT)	35°54'10''	14°31'22"	-	Vessel name: Adelia
Jason twin boom spray system + dispersant tanks (capacity of 33 m3 per load) Oil spill dispersant 'Type 3', 200 tonnes (Radiagreen OSD)	EMSA Contractor: Cosmos Shipping AD	200 tonnes of dispersant	All	-	Varna (BG)	43°12'2"	27°55'45"	-	Vessel name: Galaxy Eco

AIRCRAFT APPLICATION - DIPERSANT SPRAYING EQUIPMENT

	OWN	ER			LOCATION			CONTACT	
EQUIPMENT	GOVERNMENT	PRIVATE	QUANTITY	CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	POINT	COMMENTS
-	-	-	-	-	-	-	-	-	-



DISPERSANTS SPRAYING SYSTEMS

	OWNER		OPERATIONS PORT/			LOCATION		CONTACT	
EQUIPMENT	EMSA	QUANTITY	COASTAL/ OFFSHORE	CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	POINT	COMMENTS
Dispersant single nozzle spraying system. Boatspray 200 (Ayles Fernie)	Yes	4	All	The BS200D2F-TS is fully portable as it is diesel engine powered and the AFEDO nozzles are fitted with universal clamps which allow the AFEDO nozzles to be secured to any convenient structure	Ravenna (IT)	44°29'37"	12°17'24"	-	General description: the Boatspray 200 is a portable dispersant spray system designed for the application of concentrated or
	Yes	2	All	such as the vessels rails and gunwales. The nozzles have a total swath width of 36m. The system can provide a wide range of dispersant application rates by altering the dispersant flow rate.	Rotterdam (NL)	51°55'27''	4°28'39"	-	diluted dispersant using afedo even dropout nozzles for operation from tugs, offshore supply vessels and workboats.
Dispersant spraying arms system with multiple nozzles. YMC-105/ Scorspray Arms (New Naval)	Yes	4	All	The system produces a designated output of 130 lit/min. Neat and diluted spray options with dilution flow meter.	Ravenna (IT)	44°29'37"	12°17'24"	-	General description: the YMC-105/ Scorspray arms system is a portable dispersant application system that utilizes spray arms to deploy dispersant from
	Yes	2	All	arms contain 4 nozzles each creating a uniform dispersant swath.	Rotterdam (NL)	51°55'27''	4°28'39"	-	multiple nozzles in a systematic, swath approach. the adaptable system is designed to be installed on a variety of vessels, including vessels of opportunity.

DISPERSANTS STOCKPILES

PRODUCT NAME OR			OWNER	1	LOCATION			CONTACT		
EQUIPMENT	TYPE	QUANTITY	EMSA	DESCRIPTION	LATITUDE	LONGITUDE	CHECKS	POINT	COMMENTS	ТҮРЕ
Radiagreen OSD	3	201.4 tonnes	yes	Las Palmas (ES)	28°7'43"	15°26'5"	-	-	-	Dispersant
Radiagreen OSD	3	201.4 tonnes	yes	Limassol (CY)	34°41'7''	33°1'59"	-	-	-	Dispersant
Radiagreen OSD	3	201.4 tonnes	yes	Ravenna (IT)	44°29'37"	12°17'24"	-	-	-	Dispersant
Dasic slickgone NS	2 and 3	200.01 tonnes	yes	Rijeka (HR)	45°19'37"	14°26'28"	-	-	-	Dispersant
Dasic slickgone NS	2 and 3	200.01 tonnes	yes	Rotterdam (NL)	51°55'27"	4°28'39"	-	-	-	Dispersant
Radiagreen OSD	3	196.65 tonnes	yes	Sines (PT)	37°56'22"	8°52'27''	-	-	-	Dispersant
Radiagreen OSD	3	184.3 tonnes	yes	Valletta (MT)	35°54'10"	14°31'22"	-	-	-	Dispersant
Radiagreen OSD	3	201.4 tonnes	yes	Varna (BG)	43°12'2"	27°55'45"	-	-	-	Dispersant



TOXICITY TEST

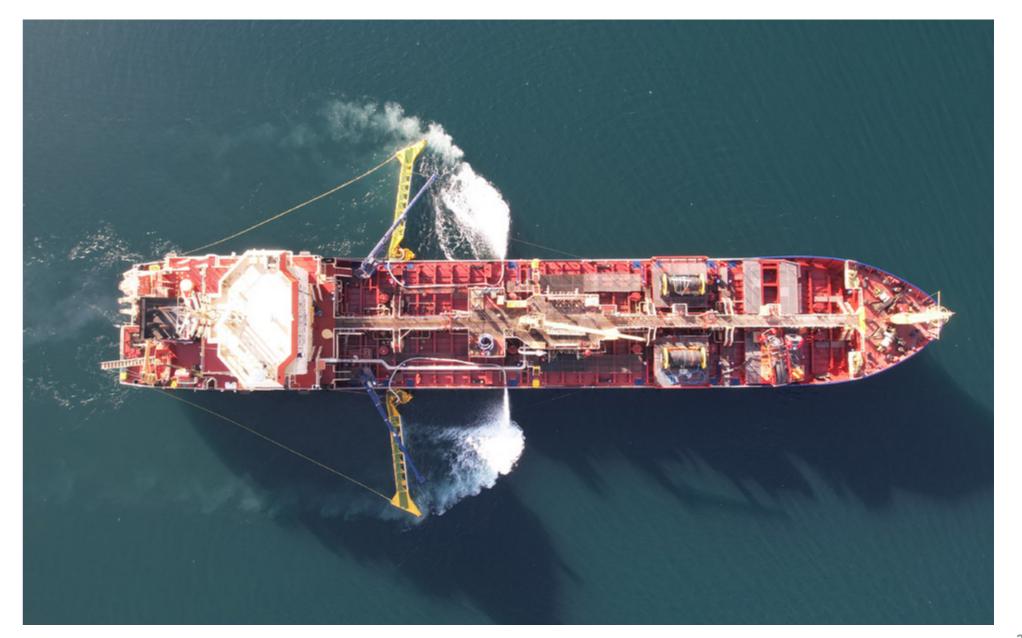
	ANALYTICAL METHOD	ORGANISM	ORGANISM'S CHARACTERISTICS	CONCENTRATION OF DISPERSANT/APPLICATION RATE	PERIOD OF EXPOSURE	CRITERIA	CO	MMENTS	
Olean Dediagraan	NFT 90 - 349	White Shrimp (Palaemonetes Varians)	Crustacean	-	-	Toxicity at least 10 times lower than the toxicity of a reference toxicant (Noramium DA50)	Pass		
Oleon Radiagreen	Sea test	Shrimps	Crustacean	-	-	-	Pass		
	Rock Shore Test	-	-	-	-	-	Pass		
	NFT.z90-349		Brown shrimp (Crangon crangon)	Crustacean	LC50 = 66.7 mgL (ppm)	30h	The standard NF.Tz90-349 requires the toxicity of Slickgone NS		
		Atlantic ditch shrimp (Paleomonetes varians)	Crustacean	LC50 = 54 mgL (ppm)	L (ppm) 30h		Pass	Meets the	
Dasic Slickgone	Sea Test	Shrimps	Crustacean	Test procedure exposes shrimps to a mixture of oil (i.e. a lightly weathered Kuwait crude oil) and dispersant. The mixture is 1 part of dispersant to 10 parts of oil.		The dispersant will be approved based on nominal concentrations if the dispersant and oil mixture causes no more mortality than that caused by mechanically dispersed oil alone. Results are shown as a pass or fail.	Sea test passed in UK	requirements of the UK, French, Norwegian, Australian and other dispersant test protocols.	

SUMMARY

DISPERSANT USE ALLOWED	AUTHORISATION PRIOR TO USE	CONNECTION TO CONTIGENCY PLAN	PREVIOUS EXPERIENCE WITH DISPERSANT USE	DISPERSANT TESTING	PRODUCT APPROVAL PROCEDURE & LIST OF APPROVED DISPERSANTS	DISPERSANT APPLICATION CAPABILITY	DISPERSANT STOCKPILES	TRAINING AND EXCERCISES	COMMENTS
-	-	-	Yes	Yes	Yes	Shipboard: Yes Aerial: No	Yes	Yes	-





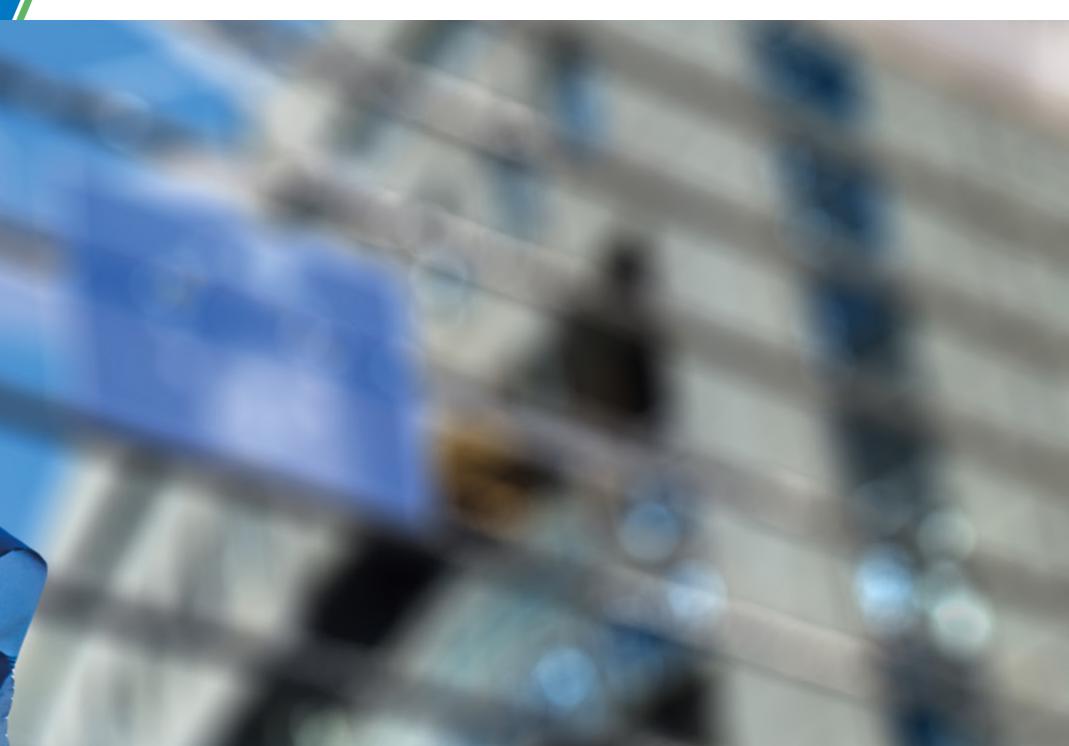


European Maritime Safety Agency



COUNTRY PROFILES

National policies on the usage of oil spill dispersants in the EU Member States





National policies on the usage of oil spill dispersants in the EU Member States

Belgium



DISPERSANT INFORMATION

I. USAGE OF OIL SPILL DISPERSANTS

Competent national authorities responsible for oil pollution at sea icluding the use of dispersants	Usage of oil spill dispersants	Potential changes in current dispersant policy	National Contigency Plan (NCP)
The authority with overall responsibility for oil pollution response at sea is the Directorate-General Environment of the Federal Public Service Health, Food Chain Safety and Environment.	Yes, as a secondary response option.	No change in the national policy regarding dispersant usage is currently being considered.	The use of oil spill dispersants is not described in Belgium's National Contingency Plan as such. It is covered in the operational response plan for combating oil spills in Belgian waters (that is an annex to the contingency plan)-

2. DISPERSANT TESTING AND APPROVAL

Product testing and approval scheme

		EFFICACY TEST			TOXICITY TEST			BIODEGRADABILITY TEST		
Yes/No	Yes/No	Analytical Method	Selection Criteria	Yes/No	Analytical Method	Selection Criteria	Yes/No	Analytical Method	Selection Criteria	
No. Belgium relies on dispersants that have been tested for their effectiveness and toxicity (by at least two different methods) and have been approved for use by at least two of the contracting parties to the Bonn Agreement.	-	-	-	-	-	-	-	-	-	

Product testing and approval scheme (cont.)

OTHER				LIST OF APPROVED DISPERSANTS				
Yes/No	Analytical Method	Selection Criteria	Laboratories that perform dispersant testing	Competent authority for dispersants approval	Yes/No (If Yes please see Approved dispersant sheet)	Competent authority for publishing and frequency of revision		
-	-	-	-	MUMM (department of the Royal Belgian Institute for Natural Sciences) advices on the use of the products accepted by the other contracting parties to the Bonn Agreement	No list of approved dispersants exists.	-		

3. RESPONSE STRATEGY

AUTHO	RISATION REQUIRED PRIOR TO DISPERSANT USE			ARE DISPE	RSANTS:		
Yes/No	Authority which grants mission for dispersant use authorisation/per mission for dispersant use	Specific circumstances to use dispersants (geographical restrictions, etc.)	Used as a 1 st reponse option	Used as a 2 nd reponse option	Used as a last resort	Not used at all	Previous experience with dispersants
Yes	Authorisation to be granted by MUMM (department of the Royal Belgian Institute of Natural Sciences) after Net Environmental Benefit Analysis	On the shoreline dispersant are not used. Restrictions: According to the provision of national law for the protection of the marine environment: - volume of used dispersant < 20% of the volume of oil treated + no more than 100 tonnes of dispersant per treated spill	-	Subject to Net Environmental Benefit Analysis (legal requirement)	-	-	Once for a minor spill (200 I dispersant sprayed from ship) Dispersant (aerial) spraying considered during TRICOLOR spill but not carried out due to unsuitable weather conditions.

4. DISPERSANT APPLICATION EQUIPMENT AND STOCKPILES

AVAILABLE RESOURCES OF SPRAYING EQUIPMENT		AVAILABLE STOCKPILES (IF YES PLEASE SEE DISPERSANT STOCKPLILE SHEET)
(IF YES PLEASE SEE DISPERSANT SPRAYING SHEET)	Yes/no	Testing/ restesting requirements for dispersants in stockpiles
Yes	Yes	-

5. TRAINING AND EXERCICES

REGULAR EXERCICES AND TRAINING PROGRAMMES

Regular exercises (simulation) spraying by response vessel (twice a year).

6. RESOURCES AVAILABLE TO OTHERS MS IN CASE OF REQUEST FOR ASSISTANCE

DISPERSANT APPLICATION EQUIPMANT ONLY	DISPERSANT APPLICATION EQUIPMANT WITH TRAINED PERSONNEL	DISPERSANTS	PERSONNEL WITH DISPAERSANT USAGE EXPERTISE	AERIAL SURVEILLANCE	OTHER (PLEASE SPECIFY)
Yes. Up to 4 portable sets spray systems	-	Yes (Limited quantities of) Slickgone NS + Radiagreen OSD	-	Yes	-

COMMENTS

APPROVED DISPERSANTS

DISPERSANTS APPROVED FOR USE

PRODUCT NAME	ТҮРЕ	COMPANY	COMMENTS
-	-	-	No national list of approved dispersant. Belgium authorizes the use of dispersants that have been tested for their effectiveness and toxicity (by at least two different methods) and have been approved for use in at least two of the contracting parties to the Bonn Agreement.

-



DISPERSANTS APPLICATION CAPABILITY

Vessel application - Dipersant spraying equipment

	OWNER			OPERATIONS PORT/		LOCATION				
EQUIPMENT	GOVERNMENT	PRIVATE	QUANTITY	COASTAL/ OFFSHORE	CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	CONTACT POINT	COMMENTS
Dispersant spraying equipment – VIKOMA Vikospray 2000 + Markleen	DG Environment of the federal public service health, food chain safety and environment	-	4	Coastal/ Offshore	Ship mountable Spray arms	From oostende (BE)	N51º13.6'	E002°56.1'	DG Environment of the federal public service health, food chain safety and environment	Flemish authority

Aircraft application - Dipersant spraying equipment

	OWNER				LOCATION			CONTACT	
EQUIPMENT	GOVERNMENT	PRIVATE	QUANTITY	CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	POINT	COMMENTS
-	-	-	-	-	-	-	-	-	-

DISPERSANTS STOCKPILES

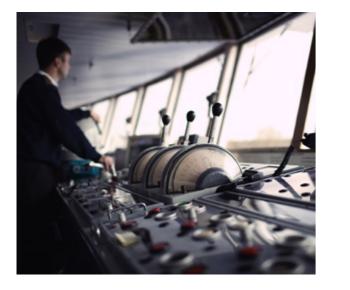
PRODUCT NAME			OWNER			LOCATION			CONTACT		
OR EQUIPMENT	TYPE	QUANTITY	GOVERNMENT	PRIVATE	DESCRIPTION	LATITUDE	LONGITUDE	CHECKS	POINT	COMMENTS	ТҮРЕ
Dasic Slickgone NS	3	Approx. 10 tonnes in IBC containers	Directorate- general Environment	-	Zandvoorde	N51º11.8"	E003°05.5"	Irregular	Directorate- general Environment	-	-
Radiagreen OSD	2.3	Approx. 1 tonnes in IBC container	Directorate- general Environment	-	Brasschaat	N51°18'	E004°31'	Irregular	Directorate- general Environment	The purchase of an additional stock of 10 tonnes Radiagreen OSD is planned in 2022.	-

TOXICITY TEST

ANALYTICAL METHOD	ORGANISM	ORGANISM'S CHARACTERISTICS	CONCENTRATION OF DISPERSANT/APPLICATION RATE	PERIOD OF EXPOSURE	CRITERIA	COMMENTS
-	-	-	-	-	-	No testing and approval of dispersants at national level. Belgium authorizes the use of dispersants that have been tested for their effectiveness and toxicity (by at least two different methods)and approved for use in at least two of the contracting parties to the Bonn Agreement.

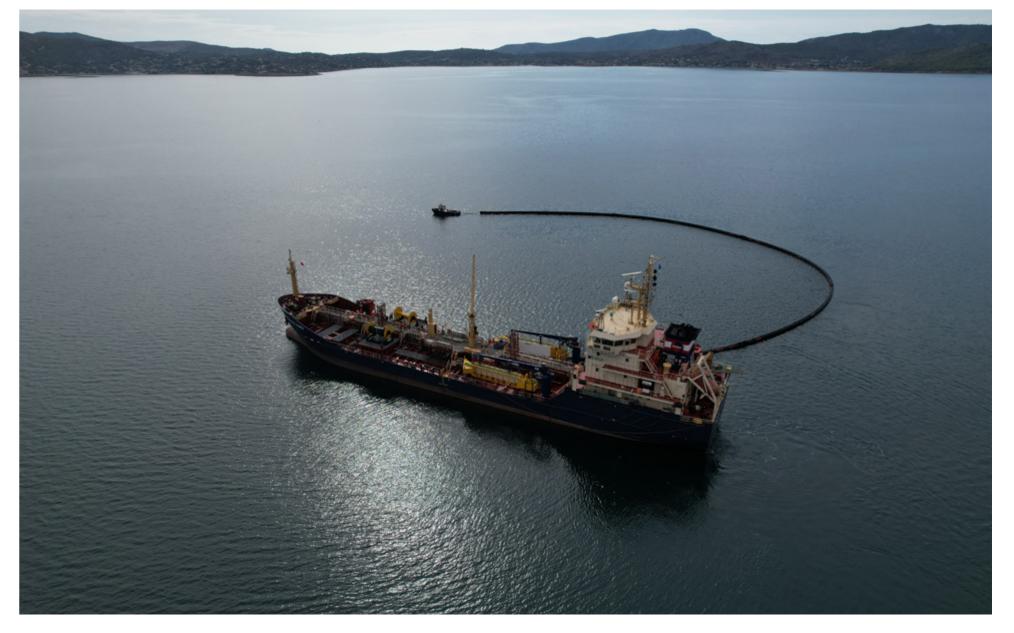
SUMMARY

DISPERSANT USE ALLOWED	AUTHORISATION PRIOR TO USE	CONNECTION TO CONTIGENCY PLAN	PREVIOUS EXPERIENCE WITH DISPERSANT USE	DISPERSANT TESTING	PRODUCT APPROVAL PROCEDURE & LIST OF APPROVED DISPERSANTS	DISPERSANT APPLICATION CAPABILITY	DISPERSANT STOCKPILES	TRAINING AND EXCERCISES	COMMENTS
Yes, as a secondary response option	Yes, from MMUM (a department of the Royal Belgian Institute for Natural Sciences)	Yes	Yes	No	No/ Acceptance of dispersants approved for use by other Bonn Agreement countries	Shipboard: Yes, limited Aerial: No	Yes, approx. 11 tonnes	Yes	-











National policies on the usage of oil spill dispersants in the EU Member States





DISPERSANT INFORMATION

I. USAGE OF OIL SPILL DISPERSANTS

Competent national authorities responsible for oil pollution at sea icluding the use of dispersants	Usage of oil spill dispersants	Potential changes in current dispersant policy	National Contigency Plan (NCP)
The authority with overall responsibility for oil pollution response at sea is the Executive Agency Maritime Administration to the Ministry of Transport, Information Technologies and Communications.	Use of dispersant at sea is carried out after permission issued by Basin Directorate for Black sea region – Varna to the Ministry of Environment and Waters.	No change in the national policy regarding dispersant usage is currently being considered.	There is still a need for a national policy on dispersants usage. In the National Contingency Plan common information on dispersants is described.

2. DISPERSANT TESTING AND APPROVAL

Product testing and approval scheme

	EFFICACY TEST			TOXICITY TEST			BIODEGRADABILITY TEST		
Yes/No	Yes/No	Analytical Method	Selection Criteria	Yes/No	Analytical Method	Selection Criteria	Yes/No	Analytical Method	Selection Criteria
No standard dispersant approval schemes are in place	-	-	-	-	-	-	-	-	-

Product testing and approval scheme (cont.)

	OTHER				LIST OF APPROVED DISPERSANTS			
Yes/No	Analytical Method	Selection Criteria	Laboratories that perform dispersant testing	Competent authority for dispersants approval	Yes/No (If Yes please see Approved dispersant sheet)	Competent authority for publishing and frequency of revision		
-	-	-	-	The Ministry of Environment and Waters is the competent authority for dispersants approval.	No list of approved dispersants exists	-		

3. RESPONSE STRATEGY

AUTHO	RISATION REQUIRED PRIOR TO DISPERSANT USE			ARE DISPERSANTS:				
Yes/No	Authority which grants mission for dispersant use authorisation/per mission for dispersant use	Specific circumstances to use dispersants (geographical restrictions, etc.)	Used as a 1 st reponse option	Used as a 2 nd reponse option	Used as a last resort	Not used at all	Previous experience with dispersants	
Yes	Basin Directorate for the Black sea region – Varna to Ministry of Environment and Waters is the responsible authority to grant permission to use dispersants	According to the National Contingency Plan for combating oil spill, oil spill dispersants shall not be used in shallow marine areas (up to 20 m isobath) or in areas of industrial installations for the extraction of shellfish or crustaceans.	-	-	-	yes	There is no experience for dispersant usage in oil spill combating.	

4. DISPERSANT APPLICATION EQUIPMENT AND STOCKPILES

AVAILABLE RESOURCES OF SPRAYING EQUIPMENT	AVAILABLE STOCKPILES (IF YES PLEASE SEE DISPERSANT STOCKPLILE SHEET)					
(IF YES PLEASE SEE DISPERSANT SPRAYING SHEET)	Yes/no	Testing/ restesting requirements for dispersants in stockpiles				
Bulgaria does not maintain any vessel or aircraft dispersant application capability	Bulgaria does not hold any dispersant stockpiles	-				

5. TRAINING AND EXERCICES

REGULAR EXERCICES AND TRAINING PROGRAMMES

Bulgaria has no regular exercises and training programmes established for the use of oil spill dispersants.

6. RESOURCES AVAILABLE TO OTHERS MS IN CASE OF REQUEST FOR ASSISTANCE

DISPERSANT APPLICATION EQUIPMANT ONLY	DISPERSANT APPLICATION EQUIPMANT WITH TRAINED PERSONNEL	DISPERSANTS	PERSONNEL WITH DISPAERSANT USAGE EXPERTISE	AERIAL SURVEILLANCE	OTHER (PLEASE SPECIFY)
N/A	N/A	N/A	N/A	N/A	N/A

COMMENTS

APPROVED DISPERSANTS

DISPERSANTS APPROVED FOR USE

PRODUCT NAME	ТҮРЕ	COMPANY	COMMENTS
-	-	-	-

-





DISPERSANTS APPLICATION CAPABILITY

Vessel application - Dipersant spraying equipment

	OWNE	R		OPERATIONS PORT/		LOCATION				
EQUIPMENT	GOVERNMENT	PRIVATE	QUANTITY	COASTAL/ OFFSHORE	CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	CONTACT POINT	COMMENTS
-	-	-	-	-	-	-	-	-	-	-

Aircraft application - Dipersant spraying equipment

	OWNI	ER				LOCATION	CONTACT		
EQUIPMENT	GOVERNMENT	PRIVATE	QUANTITY	CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	POINT	COMMENTS
-	-	-	-	-	-	-	-	-	-

DISPERSANTS STOCKPILES

PRODUCT NAME			OWNER			LOCATION			CONTACT		
OR EQUIPMENT	TYPE	QUANTITY	GOVERNMENT	PRIVATE	DESCRIPTION			CHECKS	POINT	COMMENTS	TYPE
-	-	-	-	-	-	-	-	-	-	-	-

TOXICITY TEST

ANALYTICAL METHOD	ORGANISM	ORGANISM'S CHARACTERISTICS	CONCENTRATION OF DISPERSANT/APPLICATION RATE	PERIOD OF EXPOSURE	CRITERIA	COMMENTS
-	-	-	-	-	-	-

SUMMARY

DISPERSANT USE ALLOWED	AUTHORISATION PRIOR TO USE	CONNECTION TO CONTIGENCY PLAN	PREVIOUS EXPERIENCE WITH DISPERSANT USE	DISPERSANT TESTING	PRODUCT APPROVAL PROCEDURE & LIST OF APPROVED DISPERSANTS	DISPERSANT APPLICATION CAPABILITY	DISPERSANT STOCKPILES	TRAINING AND EXCERCISES	COMMENTS
No	Yes, from the Ministry of Environment	Yes	No	No	No	Shipboard: No Aerial: No	No	No	-



National policies on the usage of oil spill dispersants in the EU Member States







DISPERSANT INFORMATION

I. USAGE OF OIL SPILL DISPERSANTS

Competent national authorities responsible for oil pollution at sea icluding the use of dispersants	Usage of oil spill dispersants	Potential changes in current dispersant policy	National Contigency Plan (NCP)
Ministry of the Sea, Transport and Infrastructure	Yes	No	Dispersants usage is included in the National Contingency Plan

2. DISPERSANT TESTING AND APPROVAL

Product testing and approval scheme

		EFFICACY TEST			TOXICITY TEST			BIODEGRADABILITY TEST		
Yes/No	Yes/No	Analytical Method	Selection Criteria	Yes/No	Analytical Method	Selection Criteria	Yes/No	Analytical Method	Selection Criteria	
-	-	-	-	-	-	-	-	-	-	



	OTHER				LI	ST OF APPROVED DISPERSANTS
Yes/No	Analytical Method	Selection Criteria	Laboratories that perform dispersant testing	Competent authority for dispersants approval	Yes/No (If Yes please see Approved dispersant sheet)	Competent authority for publishing and frequency of revision
-	-	-	-	Ministry of Health of the Republic of Croatia is competent for implemantation of Chemical Act	Yes	List of approved disperzants is published as Annex of the NCP (Official Gazzete No. 92/2008). Compethent authority for revision of the NCP and preparing of the new NCP is Ministry of the Sea, Transport and Infrastructure in cooperation with Ministry of Economy and Sustainable development

3. RESPONSE STRATEGY

AUTHO	RISATION REQUIRED PRIOR TO DISPERSANT USE			ARE DISPERSANTS:				
Yes/No	Authority which grants mission for dispersant use authorisation/per mission for dispersant use	Specific circumstances to use dispersants (geographical restrictions, etc.)	Used as a 1 st reponse option	Used as a 2 nd reponse option	Used as a last resort	Not used at all	Previous experience with dispersants	
Yes	Commander of the Headquarters for the implementation of the Contingency Plan	Decision on use of dispersant is made after careful consideartion of geografical and ecological data related with the sensitivity of the area (protected areas, fishing areas, maricultural zones, cultural heritage areas and other)	Only if pollution is caused by diesel/ light oil	Yes, after mechanical recovery	Yes	-	Yes	

4. DISPERSANT APPLICATION EQUIPMENT AND STOCKPILES

AVAILABLE RESOURCES OF SPRAYING EQUIPMENT		AVAILABLE STOCKPILES (IF YES PLEASE SEE DISPERSANT STOCKPLILE SHEET)					
(IF YES PLEASE SEE DISPERSANT SPRAYING SHEET)	Yes/no	Testing/ restesting requirements for dispersants in stockpiles					
Yes	Yes	No					

5. TRAINING AND EXERCICES

REGULAR EXERCICES AND TRAINING PROGRAMMES
No

6. RESOURCES AVAILABLE TO OTHERS MS IN CASE OF REQUEST FOR ASSISTANCE

DISPERSANT APPLICATION EQUIPMANT ONLY	DISPERSANT APPLICATION EQUIPMANT WITH TRAINED PERSONNEL	DISPERSANTS	PERSONNEL WITH DISPAERSANT USAGE EXPERTISE	AERIAL SURVEILLANCE	OTHER (PLEASE SPECIFY)
No	Yes	No	Only employees of legal and natural persons listed in the National Contingency Plan	No	-





APPROVED DISPERSANTS

Dispersants approved for use

PRODUCT NAME	ТҮРЕ	COMPANY	COMMENTS
ATLANTOL AT7	-	-	-
AGMA DR 379	-	-	-
AGMA OSD 379 SUPER CONCENTRATE	-	-	-
AGMA OSD 569	-	-	-
EMULSOL LW	-	-	-
BIOREICO R93	-	-	-
BIOVERSAL HC	-	-	-
BP ENESPERSE	-	-	-
S-200	-	-	-
CAFLON OSD	-	-	-
COMPOUND W-2096	-	-	-
COREXIT 9500	-	-	-
COREXIT 9600	-	-	-

-

Dispersants approved for use (cont.)

PRODUCT NAME	ТҮРЕ	COMPANY	COMMENTS
DASIC SLICKGONE EW	-	-	-
DASIC SLICKGONE LTE	-	-	-
DASIC SLICKGONE NS	-	-	-
DISPEREP 12	-	-	-
DISPER M	-	-	-
DISPOLENE 36S	-	-	-
EMULGAL C-100	-	-	-
ENERSPERSE 1040	-	-	-
FINASOL	-	-	-
FINASOL OSR 2	-	-	-
FINASOL OSR 4	-	-	-
FINASOL OSR 5 CONCENTRATE	-	-	-
FINASOL OSR 7	-	-	-
FINASOL OSR 12	-	-	-
FINASOL OSR 51	-	-	-
FINASOL OSR 52	-	-	-
FINASOL OSR 61	-	-	-
FINASOL OSR 62	-	-	-
FINASOL OSR 121	-	-	-

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Dispersants approved for use (cont.)

PRODUCT NAME	ТҮРЕ	COMPANY	COMMENTS
(GAMLEN) OD 4000 (PE 998)	-	-	-
(GAMLEN) OSR 2000	-	-	-
GAMLEN OSR 4000	-	-	-
GAMLEN OSR LT 126	-	-	-
GARD SLICKSOL	-	-	-
INIPOL IP 80	-	-	-
INIPOL IP 90	-	-	-
INIPOL IPC	-	-	-
AQ-11	-	-	-
MARICHEM OIL SPILL DISPERSANT	-	-	-
MAXI-CLEAN 2	-	-	-
NEUTRALEX C	-	-	-
NOKOMIS 3C	-	-	-
NU CRU	-	-	-
OCEANIA 1000	-	-	-
OIL SPILL DISPERSANT/NF	-	-	-
OIL SPILL ELIMINATOR N/T	-	-	-
OILER 60	-	-	-
O.S.D-2B	-	-	-

Dispersants approved for use (cont.)

PRODUCT NAME	ТҮРЕ	COMPANY	COMMENTS
OSD/LT OIL SPILL DISPERSANT	-	-	-
RADIAGREEN OSD	-	-	-
SEACARE ECOSPERSE	-	-	-
SEACARE OSD	-	-	-
SHELL DISPERSANT CONCENTRATE	-	-	-
SHEL DISPERSANT LTX	-	-	-
SUPERDISPERSANT 25	-	-	-
UNICLEAN OSD ENVIRO	-	-	-
VECLEAN DISPERSANT	-	-	-





Vessel application - Dipersant spraying equipment

	OWNER	ર		OPERATIONS PORT/	CHARAC-		LOCATION				
EQUIPMENT	GOVERNMENT	PRIVATE	QUANTITY	COASTAL/ OFFSHORE	TERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	CONTACT POINT	COMMENTS	
High pressure pumps for application of dispersants	-	Yes	3	Port/Coastal/ Offshore	-	Split	43°30'N	016°26'E	"CIAN" D.O.O. SPLIT (Contact point: Matko Bašić)	Adress: 21000 SPLIT, Varaždinska 51, Tel: +385 21 540 190, Fax: +385 21 540 199, E-mail: cian@cian.hr	
High pressure pumps for application of dispersants	-	Yes	1	Port/Coastal/ Offshore	-	Zadar	44°07'N	015°13.5'E	"Ciklon" d.o.o. zadar, (Director: Jasminka Plenković, +385 98 264 572, Contact person: Neven Barač, +385 99 264 5720)	Adress: 23000 ZADAR, Put Murvice 14, Tel: +385 23 344 000, Fax: +385 23 344 001, E-mail: ciklon@ zdt-com.hr, ciklon@ ciklon.hr	
High pressure pumps for application of dispersants	-	Yes	2	Port/Coastal/ Offshore	-	Rijeka	45°19'N	014°25'E	"Dezinsekcija" d.o.o. Rijeka, (Director: Ranko Dujmović, Contact: Goran Komazec, mob: +385 98 325 759, goran. komazec@dezinsekcija.	Adress: 51000 RIJEKA, Brajšina 13, 51000 Rijeka, Tel: +385 51 506 920,	
High pressure pumps for application of dispersants	-	Yes	1	Port/Coastal/ Offshore	-	Pula	44°53'N	013°55'E	hr, Mirna Dujmović, mob: +385 98 260 207, mirna. dujmovic@dezinsekcija. hr)	Fax: +385 51 512 769, E-mail: dezinsekcija@ ri.t-com.hr	

Vessel application - Dipersant spraying equipment (cont.)

	OWNER	R		OPERATIONS PORT/	CHARAC-		LOCATION			
EQUIPMENT	GOVERNMENT	PRIVATE	QUANTITY	COASTAL/ OFFSHORE	TERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	CONTACT POINT	COMMENTS
High pressure pumps for application of dispersants	-	Yes	1	Port/Coastal/ Offshore	-	Rijeka	44°20'N	014°27'E	"IND-EKO" d.o.o. Rijeka (Direktor: Ilija Šmitran, 098 260 851, e-mail: info@ind-eko.hr, Sofija Šmitran, e-mail: isofija. smitran@ind-eko.hr)	Adress: 51000 Rijeka, Korzo 40, Tel: +385 51 336 152, Fax: +385 51 336 022
High pressure pumps for application of dispersants	-	Yes	3	Port/Coastal/ Offshore	-	Rijeka	45°21'N	014°22'E	RIJEKATANK ekologija i zaštita okoliša d.o.o. Rijeka (Director: Milorad Šmitran, Contact person: Željko Grujičić, mob: +385 91125 7102, zeljko. grujicic@ritank.t-com.hr)	Adress: 51000 RIJEKA, Bartola. Kašića 5/2, Tel: + 385 51 212 838, Fax: + 385 51 211 864

Aircraft application - Dipersant spraying equipment

EQUIPMENT	OWNER				I	LOCATION	CONTACT		
	GOVERNMENT	PRIVATE	QUANTITY	CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	POINT	COMMENTS
-	-	-	-	-	-	-	-	-	-





DISPERSANTS STOCKPILES

PRODUCT NAME		QUANTITY	OWNER			LOCATION					
OR EQUIPMENT	TYPE	IN TONNES	GOVERNMENT	PRIVATE	DESCRIPTION	LATITUDE	LONGITUDE	CHECKS	CONTACT POINT	COMMENTS	TYPE
-	-	2.5	-	Yes	Split	43°30'N	016°26'E	-	"CIAN" D.O.O. SPLIT (Contact point: Matko Bašić)	Adress: 21000 SPLIT, Varaždinska 51, Tel: +385 21 540 190, Fax: +385 21 540 199, E-mail: cian@cian.hr	-
-	-	0.4	-	Yes	Zadar	44°07'N	015°13.5'E	"Ciklon" d.o.o. zadar (Director: Jasminka Plenković, +385 98 264 572,		Adress: 23000 ZADAR, Put Murvice 14, Tel: +385 23 344 000, Fax: +385 23 344 001, E-mail: ciklon@zd.t-com. hr, ciklon@ciklon.hr, Contact person: Neven Barač, +385 99 264 5720)	-

DISPERSANTS STOCKPILES (CONT.)

PRODUCT NAME		QUANTITY	OWNER	2		LOCATION					
OR EQUIPMENT	ТҮРЕ	IN TONNES	GOVERNMENT	PRIVATE	DESCRIPTION	LATITUDE	LONGITUDE	CHECKS	CONTACT POINT	COMMENTS	TYPE
-	-	4.1	_	Yes	Rijeka	45°19'N	014°25'E	-	"Dezinsekcija" d.o.o. Rijeka (Director: Ranko Dujmović, Contact persons: Goran Komazec, mob: +385 98 325 759, goran. komazec@dezinsekcija. hr, Mirna Dujmović, mob: +385 98 260 207, mirna.dujmovic@ dezinsekcija.hr)	Adress: 51000 RIJEKA, Brajšina 13, 51000 Rijeka, Tel: +385 51 506 920, Fax: +385 51 512 769, E-mail: dezinsekcija@ ri.t-com.hr	-
-	-	3	-	Yes	Rijeka	44°20'N	014°27'E	-	"IND-EKO" d.o.o. Rijeka (Direktor: Ilija Šmitran, 098 260 851, e-mail: info@ind-eko.hr, Sofija Šmitran, e-mail: isofija. smitran@ind-eko.hr)	Adress: 51000 Rijeka, Korzo 40, Tel: +385 51 336 152, Fax: +385 51 336 022	-
-	-	1	-	Yes	Rijeka	45°21'N	014°22'E	-	RIJEKATANK ekologija i zaštita okoliša d.o.o. Rijeka (Director: Milorad Šmitran, Contact person: Željko Grujičić, mob: +385 91 125 7102, zeljko.grujicic@ritank.t- com.hr)	Adress: 51000 RIJEKA, Bartola. Kašića 5/2, Tel: + 385 51 212 838 Fax: + 385 51 211 864	-



TOXICITY TEST

ANALYTICAL METHOD	ORGANISM	ORGANISM'S CHARACTERISTICS	CONCENTRATION OF DISPERSANT/APPLICATION RATE	PERIOD OF EXPOSURE	CRITERIA	COMMENTS
-	-	-	-	-	-	-

SUMMARY

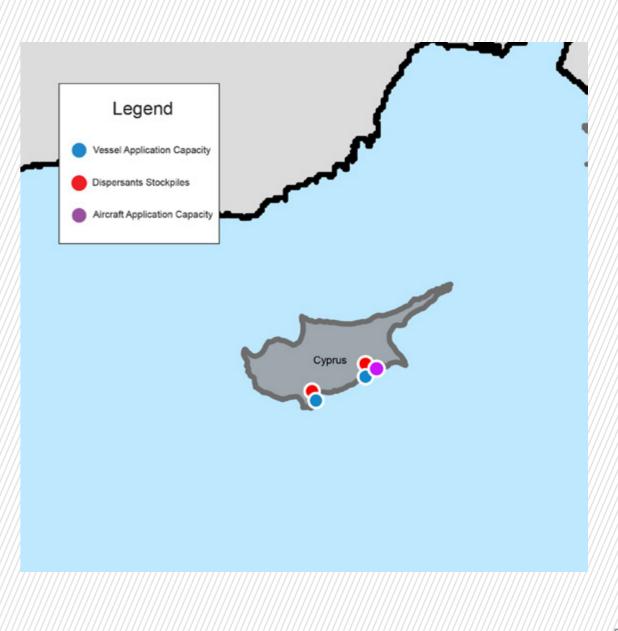
DISPERSANT USE ALLOWED	AUTHORISATION PRIOR TO USE	CONNECTION TO CONTIGENCY PLAN	PREVIOUS EXPERIENCE WITH DISPERSANT USE	DISPERSANT TESTING	PRODUCT APPROVAL PROCEDURE & LIST OF APPROVED DISPERSANTS	DISPERSANT APPLICATION CAPABILITY	DISPERSANT STOCKPILES	TRAINING AND EXCERCISES	COMMENTS
Yes	Yes	Yes	Yes	No	Yes in the Contingency plan	Shipboard:Yes Aerial: No	Yes	No	*all available stockpiles are in private ownership - Croatia doesn't have stockpiles in state owneship



National policies on the usage of oil spill dispersants in the EU Member States







DISPERSANT INFORMATION

I. USAGE OF OIL SPILL DISPERSANTS

Competent national authorities responsible for oil pollution at sea icluding the use of dispersants	Usage of oil spill dispersants	Potential changes in current dispersant policy	National Contigency Plan (NCP)	
The authority with overall responsibility for oil pollution	Yes, as a secondary response option.	No change in the national policy	The use of oil spill dispersants is described in Cyprus'	
response at sea is the Department of Fisheries & Marine		regarding dispersant usage is	National Contingency Plan, in Appendix XII: "The use	
Research (DFMR), under the Ministry of Agriculture,		currently being considered in	of dispersants: conditions and limits of dispersants	
Natural Resources and Environment.		Cyprus.	at sea".	

2. DISPERSANT TESTING AND APPROVAL

Product testing and approval scheme

		EFFICACY TEST			TOXICITY TEST			BIODEGRADABILITY TEST		
Yes/No	Yes/No	Analytical Method	Selection Criteria	Yes/No	Analytical Method	Selection Criteria	Yes/No	Analytical Method	Selection Criteria	
Dispersant testing and approval schemes are in place in Cyprus. Dispersants which have been approved for use in other EU countries (particularly the UK and France) may be considered for use in Cypriot waters if accompanied by relevant certificates.	Yes	-	-	Yes (Please see Toxicity sheet)	-	-	-	-	-	

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	OTHER				LIST OF APPROVED DISPERSANTS				
Yes/No	Analytical Method	Selection Criteria	Laboratories that perform dispersant testing	Competent authority for dispersants approval	Yes/No (If Yes please see Approved dispersant sheet)	Competent authority for publishing and frequency of revision			
-	-	-	The effectiveness and toxicity tests are carried out by the State General Laboratory of Cyprus.	The Department of Fisheries and Marine Research Ministry of Agriculture, Natural Resources and Environment	A list of dispersants approved for use in the territorial waters of Cyprus exists and is attached to the National Contingency Plan (Appendix XII/2).	The Department of Fisheries and Marine Research Ministry of Agriculture, Natural Resources and Environment			

3. RESPONSE STRATEGY

AUTHO	RISATION REQUIRED PRIOR TO DISPERSANT USE						
Yes/No	Authority which grants mission for dispersant use authorisation/per mission for dispersant use	Specific circumstances to use dispersants (geographical restrictions, etc.)	Used as a 1 st reponse option	Used as a 2 nd reponse option	Used as a last resort	Not used at all	Previous experience with dispersants
Yes	The Director Department of Fisheries and Marine Research Ministry of Agriculture, Natural Resources and Environment.	Dispersants may be used only in water depths of more than 30 metres, outside the boundaries of coastal national parks, marine reserves and specially protected areas identified in the National Contingency Plan	No	Yes	No	No	-

4. DISPERSANT APPLICATION EQUIPMENT AND STOCKPILES

AVAILABLE RESOURCES OF SPRAYING EQUIPMENT	AVAILABLE STOCKPILES (IF YES PLEASE SEE DISPERSANT STOCKPLILE SHEET)					
(IF YES PLEASE SEE DISPERSANT SPRAYING SHEET)	Yes/no	Testing/ restesting requirements for dispersants in stockpiles				
The Department of Fisheries and Marine Research possesses vessel dispersant spraying capability in various ports of Cyprus. No aircraft dispersant application capability is available.	Limited amounts of dispersant stockpiles are availble in Cyprus and are maintained by the Royal Air Force Base in the ports of Limassol, Paphos and Paralimni, as well by private sector.	_				

5. TRAINING AND EXERCICES

REGULAR EXERCICES AND TRAINING PROGRAMMES

Training is continuous. at least once per year a large scale oil spill response exercise is carried out. the use of dispersants/ operation of spray guns is simulated.







6. RESOURCES AVAILABLE TO OTHERS MS IN CASE OF REQUEST FOR ASSISTANCE

DISPERSANT APPLICATION EQUIPMANT ONLY	DISPERSANT APPLICATION EQUIPMANT WITH TRAINED PERSONNEL	DISPERSANTS	PERSONNEL WITH DISPAERSANT USAGE EXPERTISE	AERIAL SURVEILLANCE	OTHER (PLEASE SPECIFY)
-	-	-	-	-	Cyprus will make human resources and technical equipment available to other Mamber States on request, if the means for transpostation and logistical arrangements are provided by third parties

-

COMMENTS

APPROVED DISPERSANTS

Dispersants approved for use

PRODUCT NAME	ТҮРЕ	COMPANY	COMMENTS
Atlantol AT7	-	-	-
Agma O.S.D. 379 Super Concentrate	-	-	-

Dispersants approved for use (cont.)

PRODUCT NAME	ТҮРЕ	COMPANY	COMMENTS
BP Enesperse	-	-	-
COREXIT 9600	-	-	-
Dasic Slickgone LTE	-	-	-
Dasic Slickgone NS	-	-	-
Emulgal C 100	-	-	-
Finasol OSR 12	-	-	-
Finasol OSR 121	-	-	-
Finasol OSR 2	-	-	-
Finasol OSR 4	-	-	-
Finasol OSR 5 Concentrate	-	-	-
Finasol OSR 52	-	-	-
Finasol OSR 7	-	-	-
Gamlen O.D. 4000 (PE998)	-	-	-
Gamlen O.S.R. 2000	-	-	-
Gamlen O.S.R. LT126	-	-	-
Oil Spill Dispersant/NF	-	-	-
Oil Spill Eliminator N/T	-	-	-
Shell Dispersant Concentrate	-	-	-
Shell Dispersant LTX	-	-	-
Super Dispersant 25	-	-	-



DISPERSANTS APPLICATION CAPABILITY

Vessel application - Dipersant spraying equipment

	OWNE	R		OPERATIONS PORT/		LOCATION				
EQUIPMENT	GOVERNMENT	PRIVATE	QUANTITY	COASTAL/ OFFSHORE	CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	CONTACT POINT	COMMENTS
Multi-purpose vessel	Yes	-	2	-	Multipurpose Fiberglass/Polyester Patrol Vessel (length: 42', max speed: 24 knots, engine: 2x310 BHP)	Limassol, Larnaca	-	-	DFMR	-

Aircraft application - Dipersant spraying equipment

	OWN	OWNER		I	LOCATION		COMMENTS		
EQUIPMENT	GOVERNMENT	PRIVATE	QUANTITY	CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	CONTACT POINT	COMMENTS
AIR TRACTOR 80	Yes	-	2	FIRE/SAR/AIRSPRAY	Larnaca airport	-	-	FDFU (Forestry Department Flight Unit)	-

DISPERSANTS STOCKPILES

PRODUCT NAME OR			OWNER			LOCATION					
EQUIPMENT	ТҮРЕ	QUANTITY	GOVERNMENT	PRIVATE	DESCRIPTION	LATITUDE	LONGITUDE	CHECKS	CONTACT POINT	COMMENTS	TYPE
MSL/SES	-	2 tonnes	Yes	-	Larnaca	N 34° 53´44"	E 33º 37´58"	-	DFMR	-	-
MSL/SES	-	3 tonnes	Yes	-	Limassol	N 34º 39 ´ 45"	E 33º 01´23"	-	DFMR	-	-
Super Dispersant -25	-	13 tonnes	Yes	-	Larnaca	N 34º 39´45"	E 33º 01´ 23"	-	DFMR	-	-

TOXICITY TEST

ANALYTICAL METHOD	ORGANISM	ORGANISM'S CHARACTERISTICS	CONCENTRATION OF DISPERSANT/APPLICATION RATE	PERIOD OF CRITERIA		COMMENTS	
-	-	-	-	-	-	-	



SUMMARY

DISPERSANT USE ALLOWED	AUTHORISATION PRIOR TO USE	CONNECTION TO CONTIGENCY PLAN	PREVIOUS EXPERIENCE WITH DISPERSANT USE	DISPERSANT TESTING	PRODUCT APPROVAL PROCEDURE & LIST OF APPROVED DISPERSANTS	DISPERSANT APPLICATION CAPABILITY	DISPERSANT STOCKPILES	TRAINING AND EXCERCISES	COMMENTS
Yes, as a secondary response option	Yes, from DFMR	Yes	Yes	Yes	Yes	Shipboard:Yes Aerial: Yes	Yes	Yes	-

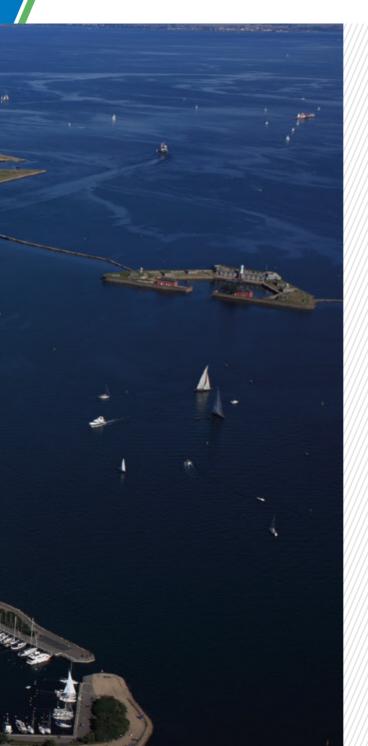




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National policies on the usage of oil spill dispersants in the EU Member States





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DISPERSANT INFORMATION

I. USAGE OF OIL SPILL DISPERSANTS

Competent national authorities responsible for oil pollution at sea icluding the use of dispersants	Usage of oil spill dispersants	Potential changes in current dispersant policy	National Contigency Plan (NCP)
The authority with overall responsibility for oil pollution response at sea is the Soevaerrnets Operative Kommando (SOK) (Danish Royal Navy)	Yes, restrictively.	No changes in the national policy regarding dispersants usage are being considered, but at regional level Denmark follows the discussions which are currently being undertaken within the framework of the Helsinki Commission (HELCOM), regarding new opportunities for the usage of oil spill dispersants in the Baltic Sea.	Yes. The use of oil spill dispersants is described in Denmark's National Contingency Plan, in Part II of the Response Manual, Section 3.

2. DISPERSANT TESTING AND APPROVAL

Product testing and approval scheme

		EFFICACY TEST			TOXICITY TEST			BIODEGRADABILITY TEST		
Yes/No	Yes/No	Analytical Method	Selection Criteria	Yes/No	Analytical Method	Selection Criteria	Yes/No	Analytical Method	Selection Criteria	
No standard dispersant testing or approval schemes are in place in Denmark. Denmark accepts dispersants which have been approved by 2 or 3 other Bonn Agreement countries and in the list published in the Bonn Agreement.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Product testing and approval scheme (cont.)

	OTHER				LIST OF APPROVED DISPERSANTS			
Yes/No	Analytical Method	Selection Criteria	Laboratories that perform dispersant testing	Competent authority for dispersants approval	Yes/No (If Yes please see Approved dispersant sheet)	Competent authority for publishing and frequency of revision		
N/A	N/A	N/A	N/A	Danish Environmental Protection Agency.	A list of approved dispersants from the Danish EPA is published on the Bonn Agreement website	-		

3. RESPONSE STRATEGY

AUTHO	RISATION REQUIRED PRIOR TO DISPERSANT USE			ARE DISPE	RSANTS:			
Yes/No	Authority which grants mission for dispersant use authorisation/per mission for dispersant use	Specific circumstances to use dispersants (geographical restrictions, etc.)	Used as a 1 st reponse option	Used as a 2 nd reponse option	Used as a Not last resort all		Previous experience with dispersants	
Yes	The Ministry of the Environment on the advice of the Danish Environmental Protection Agency	In the Danish North Sea sector, Denmark recognises a limited scope for dispersant use, when mechanical recovery is not possible and when particularly sensitive resources are threatened. In the Baltic Sea sector, dispersant use is not supported.	-	-	Yes	-	Oil spill dispersants have not been used in Danish waters for the past 10 years.	

4. DISPERSANT APPLICATION EQUIPMENT AND STOCKPILES

AVAILABLE RESOURCES OF SPRAYING EQUIPMENT	AVAILABLE STOCKPILES (IF YES PLEASE SEE DISPERSANT STOCKPLILE SHEET)					
(IF YES PLEASE SEE DISPERSANT SPRAYING SHEET)	Yes/no	Testing/ restesting requirements for dispersants in stockpiles				
The Danish Navy and Air Force do not maintain vessel or aircraft dispersant application capability	Denmark does not hold any dispersant stockpiles	N/A				

5. TRAINING AND EXERCICES

REGULAR EXERCICES AND TRAINING PROGRAMMES
No

6. RESOURCES AVAILABLE TO OTHERS MS IN CASE OF REQUEST FOR ASSISTANCE

DISPERSANT APPLICATION EQUIPMANT ONLY	DISPERSANT APPLICATION EQUIPMANT WITH TRAINED PERSONNEL	DISPERSANTS	PERSONNEL WITH DISPAERSANT USAGE EXPERTISE	AERIAL SURVEILLANCE	OTHER (PLEASE SPECIFY)
-	-	-	-	-	-



COMMENTS

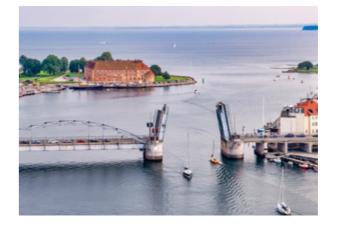
APPROVED DISPERSANTS

Dispersants approved for use

PRODUCT NAME	ТҮРЕ	COMPANY	COMMENTS
-	-	-	-

-







DISPERSANTS APPLICATION CAPABILITY

Vessel application - Dipersant spraying equipment

	OWNER		OPERATIONS PORT/			LOCATION				
EQUIPMENT	GOVERNMENT	PRIVATE	QUANTITY	COASTAL/ OFFSHORE	CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	CONTACT POINT	COMMENTS
-	-	-	-	-	-	-	-	-	-	-

Aircraft application - Dipersant spraying equipment

	OWNI	ER			I	LOCATION			
EQUIPMENT	GOVERNMENT	PRIVATE	QUANTITY	CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	CONTACT POINT	COMMENTS
-	-	-	-	-	-	-	-	-	-

DISPERSANTS STOCKPILES

PRODUCT NAME			OWNER		CONTACT		COMMENTS	TYPE			
OR EQUIPMENT	TYPE	QUANTITY	GOVERNMENT	PRIVATE	DESCRIPTION	LATITUDE	LONGITUDE	CHECKS	POINT	COMMENTS	TYPE
-	-	-	-	-	-	-	-	-	-	-	-

TOXICITY TEST

ANALYTICAL METHOD	ORGANISM	ORGANISM'S CHARACTERISTICS	CONCENTRATION OF DISPERSANT/APPLICATION RATE	PERIOD OF EXPOSURE	CRITERIA	COMMENTS
-	-	-	-	-	-	-

SUMMARY

DISPERSANT USE ALLOWED	AUTHORISATION PRIOR TO USE	CONNECTION TO CONTIGENCY PLAN	PREVIOUS EXPERIENCE WITH DISPERSANT USE	DISPERSANT TESTING	PRODUCT APPROVAL PROCEDURE & LIST OF APPROVED DISPERSANTS	DISPERSANT APPLICATION CAPABILITY	DISPERSANT STOCKPILES	TRAINING AND EXCERCISES	COMMENTS
Yes, as a last response option	Yes, from Ministry of the Environment on the advice of the Danish Environmental Protection Agency	Yes	No (in the past 10 years)	No	No/ Acceptance of dispersants approved for use by other Bonn Agreement countries	Shipboard:No Aerial: No	No	No	-



National policies on the usage of oil spill dispersants in the EU Member States





DISPERSANT INFORMATION

I. USAGE OF OIL SPILL DISPERSANTS

Competent national authorities responsible for oil pollution at sea icluding the use of dispersants	Usage of oil spill dispersants	Potential changes in current dispersant policy	National Contigency Plan (NCP)
The authority with overall responsibility for oil pollution response at sea is the Estonia Police and Board Guard under the Ministry of the Interior until 2023. Since then Estonian Navy will be responsible authority for oil pollution at sea under Ministry of Defence	Yes, restrictively. The use of dispersants is limited in accordance with that of the Helsinki Commission. However, permits to use dispersants can be issued if the situation warrants.	No changes in the national policy regarding dispersants usage is being considered, but at regional level Estonia follows the discussions which are currently being undertaken within the framework of the Helsinki Commission (HELCOM), regarding new opportunities for the usage of oil spill dispersants in the Baltic Sea.	The use of oil spill dispersants is not described in Estonia's National Contingency Plan.

2. DISPERSANT TESTING AND APPROVAL

Product testing and approval scheme

	EFFICACY TEST			TOXICITY TEST			BIODEGRADABILITY TEST		
Yes/No	Yes/No	Analytical Method	Selection Criteria	Yes/No	Analytical Method	Selection Criteria	Yes/No	Analytical Method	Selection Criteria
No standard dispersant testing or approval schemes are in place in Estonia.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Product testing and approval scheme (cont.)

						LIST OF APPROVED DISPERSANTS			
	Analytical Method	Selection Criteria	Laboratories that perform dispersant testing	Competent authority for dispersants approval	Yes/No (If Yes please see Approved dispersant sheet)	Competent authority for publishing and frequency of revision			
N/A	N/A	N/A	N/A	The Estonian Environment Board, under the Ministry of Environment	No list of approved dispersants exists	N/A			

3. RESPONSE STRATEGY

AUTHO	RISATION REQUIRED PRIOR TO DISPERSANT USE			ARE DISPERSANTS:				
Yes/No	Authority which grants mission for dispersant use authorisation/per mission for dispersant use	Specific circumstances to use dispersants (geographical restrictions, etc.)	Used as a 1 st reponse option	Used as a 2 nd reponse option	Used as a last resort	Not used at all	Previous experience with dispersants	
Yes	The Estonia Environment Board under the Ministry of Environment	No. The use of dispersants is in principle prohibited in Estonia and, in an oil spill response option, would only be considered on a case by case basis.	No	No	Yes	No	Oil spill dispersants have not been used in Estonia's waters for the past 20 years.	

4. DISPERSANT APPLICATION EQUIPMENT AND STOCKPILES

AVAILABLE RESOURCES OF SPRAYING EQUIPMENT		AVAILABLE STOCKPILES (IF YES PLEASE SEE DISPERSANT STOCKPLILE SHEET)					
(IF YES PLEASE SEE DISPERSANT SPRAYING SHEET)	Yes/no	Testing/ restesting requirements for dispersants in stockpiles					
Estonia does not maintain any vessel or aircraft dispersant application capability.	Estonia does not hold any dispersant stockpiles.	N/A					

5. TRAINING AND EXERCICES

REGULAR EXERCICES AND TRAINING PROGRAMMES
None
None

6. RESOURCES AVAILABLE TO OTHERS MS IN CASE OF REQUEST FOR ASSISTANCE

DISPERSANT APPLICATION EQUIPMANT ONLY	DISPERSANT APPLICATION EQUIPMANT WITH TRAINED PERSONNEL	DISPERSANTS	PERSONNEL WITH DISPAERSANT USAGE EXPERTISE	AERIAL SURVEILLANCE	OTHER (PLEASE SPECIFY)
No	No	No	No	No	No



COMMENTS

APPROVED DISPERSANTS

Dispersants approved for use

PRODUCT NAME	ТҮРЕ	COMPANY	COMMENTS
-	-	-	-

-

DISPERSANTS APPLICATION CAPABILITY

Vessel application - Dipersant spraying equipment

EQUIPMENT GOVERNMENT PRIVATE QUANTITY COASTAL/ OFFSHORE CHARACTERISTICS DESCRIPTION LATITUDE LONGITUDE CONTACT POINT COMMENTS - <th>FOLUDIAENT</th> <th>OWNE</th> <th colspan="2">OWNER</th> <th>OPERATIONS PORT/</th> <th></th> <th></th> <th>LOCATION</th> <th></th> <th></th>	FOLUDIAENT	OWNE	OWNER		OPERATIONS PORT/			LOCATION			
· · · · · · · · · · · ·	EQUIPMENT	GOVERNMENT	PRIVATE	QUANTITY			DESCRIPTION	LATITUDE	LONGITUDE		COMMENTS
	-	-	-	-	-	-	-	-	-	-	-

Aircraft application - Dipersant spraying equipment

	OWNER				I	LOCATION		CONTACT		
EQUIPMENT	GOVERNMENT	PRIVATE	QUANTITY	CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	POINT	COMMENTS	
-	-	-	-	-	-	-	-	-	-	

DISPERSANTS STOCKPILES

PRODUCT NAME OR EQUIPMENT	ТҮРЕ		OWNER		LOCATION			CHECKC	CONTACT		
		QUANTITY	GOVERNMENT	PRIVATE	DESCRIPTION	LATITUDE	LONGITUDE	CHECKS	POINT	COMMENTS	TYPE
-	-	-	-	-	-	-	-	-	-	-	-

TOXICITY TEST

ANALYTICAL METHOD	ORGANISM	ORGANISM'S CHARACTERISTICS	CONCENTRATION OF DISPERSANT/APPLICATION RATE	PERIOD OF EXPOSURE	CRITERIA	COMMENTS
-	-	-	-	-	-	-

SUMMARY

DISPERSANT USE ALLOWED	AUTHORISATION PRIOR TO USE	CONNECTION TO CONTIGENCY PLAN	PREVIOUS EXPERIENCE WITH DISPERSANT USE	DISPERSANT TESTING	PRODUCT APPROVAL PROCEDURE & LIST OF APPROVED DISPERSANTS	DISPERSANT APPLICATION CAPABILITY	DISPERSANT STOCKPILES	TRAINING AND EXCERCISES	COMMENTS
Yes, as a last response option	Yes, from Estonia Inspectorate (under the Ministry of Environment)	No	No (in the past 20 years)	No	No	Shipboard:No Aerial: No	No	No	-



National policies on the usage of oil spill dispersants in the EU Member States





DISPERSANT INFORMATION

I. USAGE OF OIL SPILL DISPERSANTS

Competent national authorities responsible for oil pollution at sea icluding the use of dispersants	Usage of oil spill dispersants	Potential changes in current dispersant policy	National Contigency Plan (NCP)
The authority with responsibility for oil pollution response at sea is the Finnish Border Guard at open sea and Rescue Departments in coastal waters and on the shore	Yes, restrictively. The use of dispersants is limited in accordance with the Helsinki Commission recommendation 22/2. However, permits to use dispersants can be issued if the situation warrants.	No changes in the national policy regarding dispersants usage are being considered, but at regional level Finland follows the discussions which are currently being undertaken within the framework of the Helsinki Commission (HELCOM), regarding new opportunities for the usage of oil spill dispersants in the Baltic Sea.	The use of dispersants is clearly described in the National Contingency Plan (Decree on Oil- Combating, 2009).

2. DISPERSANT TESTING AND APPROVAL

Product testing and approval scheme

	EFFICACY TEST			TOXICITY TEST			BIODEGRADABILITY TEST		
Yes/No	Yes/No	Analytical Method	Selection Criteria	Yes/No	Analytical Method	Selection Criteria	Yes/No	Analytical Method	Selection Criteria
No standard dispersant testing or approval schemes are in place.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Product testing and approval scheme (cont.)

	OTHER				LIST OF APPROVED DISPERSANTS			
Yes	/No	Analytical Method	Selection Criteria	Laboratories that perform dispersant testing	Competent authority for dispersants approval	Yes/No (If Yes please see Approved dispersant sheet)	Competent authority for publishing and frequency of revision	
N	/Α	N/A	N/A	N/A	N/A	No list of approved dispersants exists	N/A	

3. RESPONSE STRATEGY

AUTHO	RISATION REQUIRED PRIOR TO DISPERSANT USE						
Yes/No	Authority which grants mission for dispersant use authorisation/per mission for dispersant use	Specific circumstances to use dispersants (geographical restrictions, etc.)	Used as a 1 st reponse option	Used as a 2 nd reponse option	Used as a last resort	Not used at all	Previous experience with dispersants
Yes	The Ministry of Interior makes the decision after consulting the Finnish Environment Institute (SYKE)	Due to the sensitive ecology of the Baltic sea, it has been internationally agreed in the Helsinki Convention that the oil combating policy of Baltic Sea countries is based on the mechanical recovery of oil. The Helsinki Convention allows the use of chemicals only with strict limitations.	No	No	No	Yes	Oil spill dispersants have not been used in Finland

4. DISPERSANT APPLICATION EQUIPMENT AND STOCKPILES

AVAILABLE RESOURCES OF SPRAYING EQUIPMENT		AVAILABLE STOCKPILES (IF YES PLEASE SEE DISPERSANT STOCKPLILE SHEET)
(IF YES PLEASE SEE DISPERSANT SPRAYING SHEET)	Yes/no	Testing/ restesting requirements for dispersants in stockpiles
Finland does not maintain any vessel or aircraft dispersant application capability	No. Finland does not hold any dispersant stockpiles	N/A

5. TRAINING AND EXERCICES

REGULAR EXERCICES AND TRAINING PROGRAMMES
N/A

6. RESOURCES AVAILABLE TO OTHERS MS IN CASE OF REQUEST FOR ASSISTANCE

DISPERSANT APPLICATION EQUIPMANT ONLY	DISPERSANT APPLICATION EQUIPMANT WITH TRAINED PERSONNEL	DISPERSANTS	PERSONNEL WITH DISPAERSANT USAGE EXPERTISE	AERIAL SURVEILLANCE	OTHER (PLEASE SPECIFY)
None	None	None	None	Aerial surveillance yes, but no aerial dispersant spraying equipment	N/A



COMMENTS	
N/A	
APPROVED DISPERSANTS	
Dispersants approved for use	

PRODUCT NAME	ТҮРЕ	COMPANY	COMMENTS
-	-	-	-

DISPERSANTS APPLICATION CAPABILITY

Vessel application - Dipersant spraying equipment

	OWNER					LOCATION				
EQUIPMENT	GOVERNMENT	PRIVATE	QUANTITY			LATITUDE	LONGITUDE	CONTACT POINT	COMMENTS	
-	-	-	-	-	-	-	-	-	-	

Aircraft application - Dipersant spraying equipment

	OWNER			OPERATIONS PORT/		LOCATION			CONTACT	
EQUIPMENT	GOVERNMENT	PRIVATE	QUANTITY	COASTAL/ OFFSHORE	CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	POINT	COMMENTS
-	-	-	-	-	-	-	-	-	-	-

DISPERSANTS STOCKPILES

		OWNER		LOCATION			C	CONTACT	COMMENTS			
	DR EQUIPMENT	TYPE	QUANTITY	GOVERNMENT	PRIVATE	DESCRIPTION	LATITUDE	LONGITUDE	CHECKS	POINT	COMMENTS	TYPE
	-	-	-	-	-	-	-	-	-	-	-	-

TOXICITY TEST

ANALYTICAL METHOD	ORGANISM	ORGANISM'S CHARACTERISTICS	CONCENTRATION OF DISPERSANT/APPLICATION RATE	PERIOD OF EXPOSURE	CRITERIA	COMMENTS
-	-	-	-	-	-	-



SUMMARY

DISPERSANT USE ALLOWED	AUTHORISATION PRIOR TO USE	CONNECTION TO CONTIGENCY PLAN	PREVIOUS EXPERIENCE WITH DISPERSANT USE	DISPERSANT TESTING	PRODUCT APPROVAL PROCEDURE & LIST OF APPROVED DISPERSANTS	DISPERSANT APPLICATION CAPABILITY	DISPERSANT STOCKPILES	TRAINING AND EXCERCISES	COMMENTS
Yes, Rescue Act allows this	Yes, by the Ministry of Interior that has to consult the Finnish Environment Institute	Dispersant usage is regulated by the Rescue Act	No (in the past 10 years)	No	No	Shipboard:No Aerial: No	No	No	-







National policies on the usage of oil spill dispersants in the EU Member States







I. USAGE OF OIL SPILL DISPERSANTS

Competent national authorities responsible for oil pollution at sea icluding the use of dispersants	Usage of oil spill dispersants	Potential changes in current dispersant policy	National Contigency Plan (NCP)
The authority with overall responsibility for oil pollution response at sea is the Maritime Prefet, who is responsible for the response at sea during incidents. He decides in each case whether or not to use dispersants. So three National competent Authorities, each one for his area of responsabilities : The Channel's Maritime Prefet (located in Cherbourg); the Atlantic Maritime Prefet (located in Brest); the Mediteranean Sea Maritime Prefet (located in Toulon).	Yes, when appropriate.	No change in the national policy regarding dispersant usage is currently being considered.	The use of dispersants is clearly described in each Contingency Plan. All three Plans dedicated to the Channel, the Atlantic Ocean and the Mediterranean Sea refer to the use of dispersants as one of the tactic to struggle the at sea pollution. Contingency plans also rely on sensitive area charts designed by the state environment coastal services and ecological guidelines on dispersant use provided by IFREMER.

2. DISPERSANT TESTING AND APPROVAL

Product testing and approval scheme

	EFFICACY TEST				τοχιςιτη τι	EST	BIODEGRADABILITY TEST		
Yes/No	Yes/No	Analytical Method	Selection Criteria	Yes/No	Analytical Method	Selection Criteria	Yes/No	Analytical Method	Selection Criteria
Yes. Standard dispersant testing and approval procedures exist in France. According to this approval procedure, all dispersant products have to successfully pass three tests in order to be approved; if a product fails in one of these tests the procedure is interrupted. Each approval which is granted is valid for a period of 5 years.	Yes	NF T 90 - 345	≥ 60%	Yes	NF T 90 - 349	At least ten times lower than reference toxicant (Noramium DA50)	Yes	NFT 90-346	≥ 50%

Product testing and approval scheme (cont.)

OTHER					LIST OF APPROVED DISPERSANTS			
Yes/No	Analytical Method	Selection Criteria	Laboratories that perform dispersant testing	Competent authority for dispersants approval	Yes/No (If Yes please see Approved dispersant sheet)	Competent authority for publishing and frequency of revision		
N/A	N/A	N/A	Efficiency and toxicity tests are performed by CEDRE labs. Biodegradability tests are performed by INERIS (Institut National de l'Environnement Industriel et des Risques	CEDRE for scientific aspects (on behalf of Ministry of Ecology) and CEPPOL for antitpollution application	A regularly up to date national list of approved dispersants exists.	CEDRE. (www.cedre.fr)		

3. RESPONSE STRATEGY

AUTHORISATION REQUIRED PRIOR TO DISPERSANT USE			ARE DISPERSANTS:				
Yes/No	Authority which grants mission for dispersant use authorisation/per mission for dispersant use	Specific circumstances to use dispersants (geographical restrictions, etc.)	Used as a 1 st reponse option	Used as a 2 nd reponse option	Used as a last resort	Not used at all	Previous experience with dispersants
Yes. Even though maps have been drawn defining offshore areas where dispersants can be used without major risk, an official authorisation is required for the use of dispersants	(Maritime Prefect of Govt representative overseas)	The appropriateness of the dispersant use depends on the characteristics of the pollutant and the location of the spill, in relation to the three geographical limits which have been calculated for set quantities of oil: 10, 100 and 1 000 tonnes of oil to be treated. These limits have been defined with regard to the amount of oil to be dispersed and the distance from the coast required, in order to ensure that the water depth is sufficient for the dilution of dispersed oil below harmful levels. Beyond the defined limits, dispersants can be used.	Yes	Yes	No	No	Oil spill dispersants have been used in French waters.

4. DISPERSANT APPLICATION EQUIPMENT AND STOCKPILES

AVAILABLE RESOURCES OF SPRAYING EQUIPMENT	AVAILABLE STOCKPILES (IF YES PLEASE SEE DISPERSANT STOCKPLILE SHEET)					
(IF YES PLEASE SEE DISPERSANT SPRAYING SHEE	Yes/no	Testing/ restesting requirements for dispersants in stockpiles				
Yes	France maintains dispersant stockpiles in various depots along the country's seashores, notably in each naval base.	First at 5 years old, then every 2 years.				

5. TRAINING AND EXERCICES

REGULAR EXERCICES AND TRAINING PROGRAMMES

3 times a year minimum

6. RESOURCES AVAILABLE TO OTHERS MS IN CASE OF REQUEST FOR ASSISTANCE

DISPERSANT APPLICATION EQUIPMANT ONLY	DISPERSANT APPLICATION EQUIPMANT WITH TRAINED PERSONNEL	DISPERSANTS	PERSONNEL WITH DISPAERSANT USAGE EXPERTISE	AERIAL SURVEILLANCE	OTHER (PLEASE SPECIFY)
-	-	-	-	-	-

COMMENTS

APPROVED DISPERSANTS

Dispersants approved for use

PRODUCT NAME	ТҮРЕ	COMPANY	COMMENTS
Bio Reico R 93	-	Reico	-
Corexit EC9500A -		Corexit environmental solutions LLC	-
Chimec Chimsperse 6000	-	Chimec s.p.a.	-
Dasic Slickgone NS	-	Dasic international Ltd	-
Disperep 12	-	REP international	-
Disper M2	- ZEP industries		-
Dispoil	-	Rhône chimie industrie	-
Eflochem OSD ECO HD	-	Eflochem chemicals blending Co	-
Emulgal C-100	-	Amgal chemical products 1989 Ltd	-
Finasol OSR 51	-		-
Finasol OSR 52	-		-
Finasol OSR 61	-	TOTAL fluides	-
Finasol OSR 62	-		-
Finasol OSR 52 IBC	-		-

-

Dispersants approved for use (cont.)

PRODUCT NAME	ТҮРЕ	COMPANY	COMMENTS
npol IP 80 -			-
Inpol IP 90	-	Ceca-Arkema group	-
OD 4000 (PE 998)	-	Innospec Ltd	-
Superdispersant-25	-	Oil Slick Dispersants Ltd	-
Neutralex C	-	Société industrielle de diffusion	-
Nu Cru	-	Gold crew products and services Division of Ara Chem, Inc.	-
Radiagreen OSD	-	Oleon N.V.	-





DISPERSANTS APPLICATION CAPABILITY

Vessel application - Dipersant spraying equipment

	OWNE	R		OPERATIONS PORT/			LOCATION		CONTACT	
EQUIPMENT	GOVERNMENT	PRIVATE	QUANTITY	COASTAL/ OFFSHORE	CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	POINT	COMMENTS
Abeille Bourbon	Yes	-	1	Port/Coastal/ Offshore	High sea tug	Brest	48,38090°N	4,50445°W		
Abeille Liberté	Yes	-	1	Port/Coastal/ Offshore	High sea tug	Cherbourg	49,65580°N	1,64670°W		
Abeille Mediterranée	Yes	-	1	Port/Coastal/ Offshore	High sea tug	Toulon	43,12230°N	5,92860°E		All Abeille and Argonaute/
Abeille Normandie	Yes	-	1	Port/Coastal/ Offshore	High sea tug	Boulogne/Mer	50,72523°N	1,61333°E		Sapeur/Pionnier/ Jason are permanently
Argonaute	Yes	-	1	Port/Coastal/ Offshore	Oil Spill Response Vessel & HS Tug	Brest	48,38090°N	4,50445°W		chartered by the French Navy for governmental
Sapeur	Yes	-	1	Port/Coastal/ Offshore	Oil Spill Response Vessel & HS Tug	Brest	48,38090°N	4,50445°W	CEPPOL	missions
Jason	Yes	-	1	Port/Coastal/ Offshore	Oil Spill Response Vessel & HS Tug	Toulon	43,12230°N	5,92860°E		
Pionnier	Yes	-	1	Port/Coastal/ Offshore	Oil Spill Response Vessel & HS Tug	Toulon	43,12230°N	5,92860°E		
High sea tug	Yes	-	2	Port/Coastal/ Offshore	Warship	Brest	48,38090°N	4,50445°W		-
Patrol vessels	Yes	-	3	Port/Coastal/ Offshore	Warship	Cherbourg	49,65580°N	1,64670°W		-
High Sea Tug	Yes	-	2	Port/Coastal/ Offshore	Warship	Toulon	43,12230°N	5,92860°E		-

Aircraft application - Dipersant spraying equipment

	OWN	ER			LOCATION			CONTACT		
EQUIPMENT	GOVERNMENT	PRIVATE	QUANTITY	CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	POINT	COMMENTS	
C130	-	Yes	1	OSRL Company	Southampton	50°34'14"N	00112'49"E	Ceppol	-	

DISPERSANTS STOCKPILES

PRODUCT NAME			OWNER	2	LC	CATION			CONTACT		
OR EQUIPMENT	TYPE	QUANTITY	GOVERNMENT	PRIVATE	DESCRIPTION	LATITUDE	LONGITUDE	CHECKS	POINT	COMMENTS	TYPE
GAMLEN OD4000	3	51 m³/ 47 tonnes	Yes	-	Naval Base Brest	48,38090°N	4,50445°W	Every 2 years	CEPPOL	-	-
INIPOL IP80	3	57 m³/ 51 tonnes	Yes	-	Naval Base Brest	48,38090°N	4,50445°W	Every 2 years	CEPPOL	-	-
FINASOL OSR62	3	89 m³/87 tonnes	Yes	-	Naval Base Brest	48,38090°N	4,50445°W	Every 2 years	CEPPOL	-	-
DISPEREP 12	3	16 m³/15 tonnes	Yes	-	Naval Base Brest	48,38090°N	4,50445°W	Every 2 years	CEPPOL	-	-
GAMLEN OD4000	3	174 m³/160 tonnes	Yes	-	Naval Base Cherbourg	49,65580°N	1,64670°W	Every 2 years	CEPPOL	-	-
INIPOL IP80	3	20 m³/18 tonnes	Yes	-	Naval Base Cherbourg	49,65580°N	1,64670°W	Every 2 years	CEPPOL	-	-
DISPOLENE 36S	3	55 m³/ 55 tonnes	Yes	-	Naval Base Cherbourg	49,65580°N	1,64670°W	Every 2 years	CEPPOL	-	-
GAMLEN OD4000	3	179 m³/ 165 tonnes	Yes	-	Naval Base Toulon	43,12230°N	5,92860°E	Every 2 years	CEPPOL	-	-
INIPOL IP80	3	24 m³/ 22 tonnes	Yes	-	Naval Base Toulon	43,12230°N	5,92860°E	Every 2 years	CEPPOL	-	-
FINASOL OSR62	3	129 m³/126 tonnes	Yes	-	Naval Base Toulon	43,12230°N	5,92860°E	Every 2 years	CEPPOL	-	-

TOXICITY TEST

ANALYTICAL METHOD	ORGANISM	ORGANISM'S CHARACTERISTICS	CONCENTRATION OF DISPERSANT/APPLICATION RATE	PERIOD OF EXPOSURE	CRITERIA	COMMENTS
NFT 90 - 349	CEDRE	-	-	-	At least ten times lower than reference toxicant (Noramium DA50)	-

SUMMARY

DISPERSANT USE ALLOWED	AUTHORISATION PRIOR TO USE	CONNECTION TO CONTIGENCY PLAN	PREVIOUS EXPERIENCE WITH DISPERSANT USE	DISPERSANT TESTING	PRODUCT APPROVAL PROCEDURE & LIST OF APPROVED DISPERSANTS	DISPERSANT APPLICATION CAPABILITY	DISPERSANT STOCKPILES	TRAINING AND EXCERCISES	COMMENTS
Yes, if it is the most appropriate response option	Yes, the Maritime Prefet decides whether or not to use dispersants (NEBA analysis)	Yes	Previous experience only for small pollution incidents, only small dispersant quantities used	Yes	Yes, an official national list exists for French waters.	Shipboard:Yes Aerial: Yes	Yes, approx. 800 m³	Compulsory exercise once a year for each equiped ship (most often, twice a year)	-



National policies on the usage of oil spill dispersants in the EU Member States





I. USAGE OF OIL SPILL DISPERSANTS

Competent national authorities responsible for oil pollution at sea icluding the use of dispersants	Usage of oil spill dispersants	Potential changes in current dispersant policy	National Contigency Plan (NCP)
In case of severe oil pollution the authority with overall responsibility for response at sea and on shore is the Central Command for Maritime Emergencies (CCME) under the Federal Ministry for Digital and Transport and the Environmental Ministries of the Coatal States. For minor oil pollution the responsibility is with the local water authorities.	Yes, restrictively.	A working group of experts is closely following the latest developments on this issue. Based on the results of the permanent working group, Germany reviews its policy on the usage of dispersants for the North Sea and Baltice sea on a regular basis. For the North Sea a dispersant policy is established, for the Baltic Sea the policy is in progress. At regional level Germany follows the discussions which are currently being undertaken within the framework of the Helsinki Commission (HELCOM), regarding new opportunities for the usage of oil spill dispersants in the Baltic Sea.	The use of oil spill dispersants is described in Germany's National Contingency Plan.

2. DISPERSANT TESTING AND APPROVAL

Product testing and approval scheme

	EFFICACY TEST			TOXICITY TEST			BIODEGRADABILITY TEST		
Yes/No	Yes/No	Analytical Method	Selection Criteria	Yes/No	Analytical Method	Selection Criteria	Yes/No	Analytical Method	Selection Criteria
No. Dispersants which have been successfully tested and approval for use in the UK or France can be applied in the North Sea. Testing of dispersants for the use in the Baltic Sea is sheduled for 2022.	-	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Product testing and approval scheme (cont.)

	OTHER			LIS		ST OF APPROVED DISPERSANTS		
Yes/No	Analytical Method	Selection Criteria	Laboratories that perform dispersant testing	Competent authority for dispersants approval	Yes/No (If Yes please see Approved dispersant sheet)	Competent authority for publishing and frequency of revision		
N/A	N/A	N/A	N/A	Federal Institute of Hydrology (BfG)	No list of approved dispersants exists.	N/A		

3. RESPONSE STRATEGY

AUTHO	RISATION REQUIRED PRIOR TO DISPERSANT USE			ARE DISPE	RSANTS:		
Yes/No	Authority which grants mission for dispersant use authorisation/per mission for dispersant use	Specific circumstances to use dispersants (geographical restrictions, etc.)	Used as a 1 st reponse option	Used as a 2 nd reponse option	Used as a last resort	Not used at all	Previous experience with dispersants
Yes	The Central Command for Maritime Emergencies (CCME) for designated areas, Federal Maritime and Hydrographic Agency for the EEZ, local Water Authorities for special areas	In the North Sea sector, dispersants are used as a last response option. Suitable criteria for their use are defined in the german dispersant policy. The use of dispersants is based on a Net Environmental Benefit Analysis (NEBA). Dispersant application is prohibited within shallow coastal areas (less than 10 m depth, only in special cases the local Water Authority can allow the use of dispersants) and in locations with limited water exchange. Dispersants can be used restrictively in depths between 10 and 20 metres and can be used without restriction in areas wiht water depths of more than 20m.	No	No	Yes	No	Not in the last 30 years

4. DISPERSANT APPLICATION EQUIPMENT AND STOCKPILES

AVAILABLE RESOURCES OF SPRAYING EQUIPMENT	AVAILABLE STOCKPILES (IF YES PLEASE SEE DISPERSANT STOCKPLILE SHEET)						
(IF YES PLEASE SEE DISPERSANT SPRAYING SHEET)	Yes/no	Testing/ restesting requirements for dispersants in stockpiles					
No available ressources at the moment.	Germany does not hold any dispersant stockpiles. If dispersants were to be required, EMSA, UK, France or industry resources would be called upon, within the Bonn Agreement framework	N/ A					

5. TRAINING AND EXERCICES



6. RESOURCES AVAILABLE TO OTHERS MS IN CASE OF REQUEST FOR ASSISTANCE

DISPERSANT APPLICATION EQUIPMANT ONLY	DISPERSANT APPLICATION EQUIPMANT WITH TRAINED PERSONNEL	DISPERSANTS	PERSONNEL WITH DISPAERSANT USAGE EXPERTISE	AERIAL SURVEILLANCE	OTHER (PLEASE SPECIFY)
No	-	No	No	Yes, but not in connection with the application of dispersants	No

COMMENTS

APPROVED DISPERSANTS

Dispersants approved for use

PRODUCT NAME	ТҮРЕ	COMPANY	COMMENTS
-	-	-	-

-

DISPERSANTS APPLICATION CAPABILITY

Vessel application - Dipersant spraying equipment

	OWNE	R		OPERATIONS PORT/			LOCATION			
EQUIPMENT	GOVERNMENT	PRIVATE	QUANTITY	COASTAL/ OFFSHORE	CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	CONTACT POINT	COMMENTS
-	-	-	-	-	-	-	-	-	-	-

Aircraft application - Dipersant spraying equipment

	OWNER				1	LOCATION		CONTACT		
EQUIPMENT	GOVERNMENT	PRIVATE	QUANTITY	CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	POINT	COMMENTS	
-	-	-	-	-	-	-	-	-	-	

DISPERSANTS STOCKPILES

	PRODUCT NAME OR EQUIPMENT TYPE QU/		OWNER		LOCATION				CONTACT			
		TYPE	QUANTITY	GOVVERNMENT	PRIVATE	DESCRIPTION	LATITUDE	LONGITUDE	CHECKS	POINT	COMMENTS	TYPE
	-	-	-	-	-	-	-	-	-	-	-	-

TOXICITY TEST

ANALYTICAL METHOD	ORGANISM	ORGANISM'S CHARACTERISTICS	CONCENTRATION OF DISPERSANT/APPLICATION RATE	PERIOD OF EXPOSURE	CRITERIA	COMMENTS
-	-	-	-	-	-	-

SUMMARY

DISPERSANT USE ALLOWED	AUTHORISATION PRIOR TO USE	CONNECTION TO CONTIGENCY PLAN	PREVIOUS EXPERIENCE WITH DISPERSANT USE	DISPERSANT TESTING	PRODUCT APPROVAL PROCEDURE & LIST OF APPROVED DISPERSANTS	DISPERSANT APPLICATION CAPABILITY	DISPERSANT STOCKPILES	TRAINING AND EXCERCISES	COMMENTS
Yes, as a last resort response option	Yes, based on the NEBA for CCME, Federal Maritime and Hydrographic Agency, Local Water Authoryties	Yes	No, not in the last 30 years	No	No	Shipboard:No Aerial: No	No	No	-







National policies on the usage of oil spill dispersants in the EU Member States







I. USAGE OF OIL SPILL DISPERSANTS

Competent national authorities responsible for oil pollution at sea icluding the use of dispersants	Usage of oil spill dispersants	Potential changes in current dispersant policy	National Contigency Plan (NCP)
The authority with overall responsibility for oil pollution response at sea is the Marine Environment Protection Directorate (MEPD) under Ministry of Maritime Affairs and Insular Policy	The use of oil spill dispersants can be allowed only in exceptional cases and when the recovery of oil at sea is not possible.	No change in the national policy regarding dispersant usage is currently being considered in Greece.	Yes.The use of dispersants is clearly described in Greece's National Contingency plan, in paragraphs 6.30 to 6.34.

2. DISPERSANT TESTING AND APPROVAL

Product testing and approval scheme

		EFFICACY TEST			TOXICITY TEST			BIODEGRADABILITY TEST		
Yes/No	Yes/No	Analytical Method	Selection Criteria	Yes/No	Analytical Method	Selection Criteria	Yes/No	Analytical Method	Selection Criteria	
Yes. The Ministerial Decree No 5219 (2000) defines the requirements for oil spill dispersant control, testing and approval procedures, and is currently under revision. Each "approval" certification which is issued is notified to the Ministry of Citizen Protection, MEPD and is valid for a period of seven years. The dispersants that have been granted this certification may be used in an oil spill response operation. Dispersants which have been approved for use in other EU Member States may also be considered for use in Greece, following certification by State Chemical Laboratory.	Yes	LR 448 OP	Type 2 dispersants: - 30 % minimum for 2000 mPa s Fuel oil Type 3 dispersants: -60% minimum for 2000 mPa s Fuel oil -45% minimum for 500 mPa s Fuel oil	Yes (Please see Toxicity sheet)	-	-	Yes	NFT 90 346	50% minimum	

Product testing and approval scheme (cont.)

	OTHER				LIST OF APPROVED DISPERSANTS			
Yes/No	Analytical Method	Selection Criteria	Laboratories that perform dispersant testing	Competent authority for dispersants approval	Yes/No (If Yes please see Approved dispersant sheet)	Competent authority for publishing and frequency of revision		
1) Dynamic Viscosity 2) Flash Point 3) Cloud Point	1) ASTM D445 IP 71 BS 4708 2) ASTM D93 IP 34 BS 2839 3) ASTM D2500 IP 219	1) 250 m Pa s maximum at 0 oC 2) 60 oC minimum 3) -10 oC maximum	Hellenic Centre for Marine Research performs the toxicity tests.State Chemical Laboratory performs the physicochemical tests	The State Chemical Laboratory.	Yes	The State Chemical Laboratory.		

3. RESPONSE STRATEGY

AUTHO	DRISATION REQUIRED PRIOR TO DISPERSANT USE							
Yes/No	Authority which grants mission for dispersant use authorisation/per mission for dispersant use	Specific circumstances to use dispersants (geographical restrictions, etc.)	Used as a 1 st reponse option	Used as a 2 nd reponse option	Used as a last resort	Not used at all	Previous experience with dispersants	
Yes	The Marine Environment Protection Directorate (MEPD)	Dispersant use is permitted only in high seas outside enclosed and sensitive sea areas, when mechanical recovery is impossible due to weather and sea conditions.	No	No	Yes	No	Dispersants haven't been used in Greece in recent years	

4. DISPERSANT APPLICATION EQUIPMENT AND STOCKPILES

AVAILABLE RESOURCES OF SPRAYING EQUIPMENT (IF YES PLEASE SEE DISPERSANT SPRAYING SHEET)	AVAILABLE STOCKPILES (IF YES PLEASE SEE DISPERSANT STOCKPLILE SHEET)						
	Yes/no	Testing/ restesting requirements for dispersants in stockpiles					
-	Greece possesses stockpiles of 3rd generation dispersants, allocated to various port authorities, port stations and antipollution vessels around the country.	In order that old generation dispersants in stockpiles to be used in an emergency accident, the effectiveness indicator of dispersants must be at least 30%.					

5. TRAINING AND EXERCICES

REGULAR EXERCICES AND TRAINING PROGRAMMES

According to Greece's National Contingency Plan, port aurhorities and vessels carry out at least one antipollution exercise per year, which includes among other activities, the use of dispersant spraying equipment

6. RESOURCES AVAILABLE TO OTHERS MS IN CASE OF REQUEST FOR ASSISTANCE

DISPERSANT APPLICATION EQUIPMANT ONLY	DISPERSANT APPLICATION EQUIPMANT WITH TRAINED PERSONNEL		PERSONNEL WITH DISPAERSANT USAGE EXPERTISE	AERIAL SURVEILLANCE	OTHER (PLEASE SPECIFY)
As far as Government's equipment is concerned	No	As far as Government's dispersants are concerned	No	No	-



COMMENTS

APPROVED DISPERSANTS

Dispersants approved for use

PRODUCT NAME	ТҮРЕ	COMPANY	COMMENTS
OILER 60	2/3	Polarchem Ltd Greece (www.polarchem.gr)	3 rd generation
MARICHEM OIL SPILL DISPERSANT	2/3	Marichem Marigases Worldwide Services Inc United Kingdom (www.marichem-marigases.com)	3 rd generation
SUPER DISPERSANT 25	2/3	Oil Slick Dispersant Ltd - United Kingdom (www.oilslickdispersant.co.uk)	3 rd generation
DISPERSER-LT	3	EUROCHEM S.A GREECE www.eurochem.gr - mail eur98@otenet.gr	3 rd generation
DISPERSER-LT CONCENTRATE	2	EUROCHEM S.A GREECE www.eurochem.gr - mail eur98@otenet.gr	3 rd generation
RADIAGREEN OSD	2	OLEON N.V BELGIUM - sds@oleon.com , www.oleon.com	3 rd generation
OIL SPILL DISPERSANT KL 725	3	kalogeropoulos chemicals S.A GREECE - info@kalochem.gr www.kalochem.gr	3 rd generation
UNICLEAN OSD ENVIRO	2/3	UniAmericas - USA (www.uniamericasus)	3 rd generation
СНЕМО	3	CHEMO HELLAS S.A GREECE www.chemomarine.com sk@chemomarine.com	3 rd generation

-

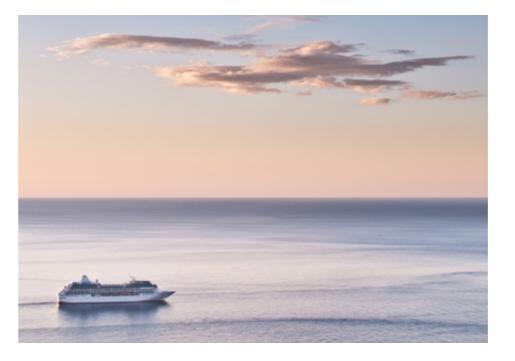
DISPERSANTS APPLICATION CAPABILITY

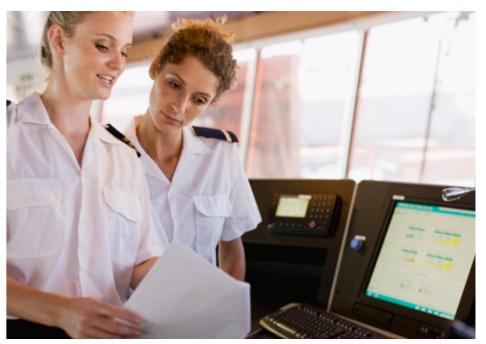
Vessel application - Dipersant spraying equipment

	OWNE	R		OPERATIONS PORT/		Ľ	OCATION			
EQUIPMENT	GOVERNMENT	PRIVATE	QUANTITY	COASTAL/ OFFSHORE	CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	CONTACT POINT	COMMENTS
Multi_purpose oil spill combating vessels	Marine Environment	-	9	Coastal	the above mentioned vessels ar				MEDD	
Portable dispersant spraying systems	Protection Division (MEPD)	-	45	Port/Coastal	With spraying arms for			i the National	MEPD	-
ScorSpray arms dispersant applicator	-	New Naval Ltd	2	Port/Coastal/ Offshore	135 L/min, 2x4,5m swath	2 nd km Lavriou- Souniou Ave, 19500, Lavrio, Attica, 00302292027936	24054	37.70	Mr Koliarakis Nikolaos (CEO)	On coastal operations depending on vessel type
Portable spraying equipment	-	North Aegean Slops	3	Port/Coastal/ Offshore	-	Inside Port of 40°38'06'' 22°56'36'' Thessaloniki		22°56'36"	Mrs. Kalliroi Karagianni Tel. +302310553473, info@ northaegeanslops.gr	-

Aircraft application - Dipersant spraying equipment

	OWNER		QUANTITY			LOCATION		CONTACT	
EQUIPMENT	GOVERNMENT	RNMENT PRIVATE		CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	POINT	COMMENTS
-	-	-	-	-	-	-	-	-	-





DISPERSANTS STOCKPILES

PRODUCT NAME		QUANTITY	OW	/NER		LOCATION	١		CONTACT	
OR EQUIPMENT	ТҮРЕ	IN TONNES	GOVERNMENT	PRIVATE	LATITUDE	LONGITUDE	DESCRIPTION	CHECKS	POINT	COMMENTS
MARICHEM OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	2.00	-	EPE SA	-	-	SKARAMAGKA WAREHOUSE	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	3.00	-	NEW NAVAL LTD	37º70'N	024°054'E	2 ND KM LAVRIOU- SOUNIOU AVE, LAVRIO, ATTICA,	-	MEPD	-
MARICHEM OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	0.30	-	NORTH AEGEAN SLOPS S.A.	22°56'36"N	40°38'06'E	PORT OF THESSALONIKI	-	MEPD	-
MARICHEM OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	0.60	-	HALKIDA SHIPYARDS	38° 25'40"N	23° 35'90"E	HALKIDA	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	0.20	-	EKO ABEE	40°50'56,93''N	025°55' 03,30"E	ALEXANDROUPOLIS	-	MEPD	-
MARICHEM OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	0.20	-	AUTHORITY OF LAVRIO PORT	37°42'692"N	024°03' 426"N	LAVRIO PORT	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	0.20	-	AEGEAN OIL S.A.	40°50'56,6"N	25°54'25,7"E	MAISTROS BEACH	-	MEPD	-
MARICHEM OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	2.00	-	PUBLIC POWER CORPORATION S.AKARPATHOS DEPARTMENT	35°31'55,09"N	27°12'0,086"E	PIGADIA KARPATHOS	-	MEPD	-

PRODUCT NAME		QUANTITY	(DWNER		LOCATION			CONTACT	
OR EQUIPMENT	ТҮРЕ	IN TONNES	GOVERNMENT	PRIVATE	LATITUDE	LONGITUDE	DESCRIPTION	CHECKS	POINT	COMMENTS
MARICHEM OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	2.73	-	PUBLIC POWER CORPORATION S.A. – PAROS DEPARTMENT	37°07' 32,38"N	25°15' 18,13"E	NAOUSA PAROU	-	MEPD	-
OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	0.80	-	PUBLIC POWER CORPORATION S.A IKARIA	37°36' 29"N	026°17' 16''E	AGIOS KIRIKOS IKARIA	-	MEPD	-
MARICHEM OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	2.00	-	NEORION SHIPYARDS SA	37º 26,327'N	024° 56,305' E	SYROS	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	0.16	-	ELINOIL SA	39' 21'07,6"N	22' 59' 25,4"E	AGRIA VOLOS	-	MEPD	-
MARICHEM OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	0.30	-	OIL ONE	37' 56'52,8"N	23°37'02,7"E	DRAPETSONA PEIRAEUS	-	MEPD	-
MARICHEM OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	0.04	-	TITAN S.A	35°20'44,5'N	25°02'39,2' E	LINOPERAMATA HERAKLEIO	-	MEPD	-
KEM OIL DISPERSER	Concentrate dispersants (3 rd generation)	1.05	-	PUBLIC POWER CORPORATION S.A THIRA DEPARTMENT	36º 24,8"N	025º 28,8"E	MONOLITHOS THIRA	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	0.40	-	PUBLIC POWER CORP	36°49',350"N	027º02',844''E	KOS ISLAND	-	MEPD	-
OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	4.40	-	PUBLIC POWER CORPORATION S.A SAMOS DEPARTMENT	37º 77' 60"N	026° 90'00"E	KOKKARI SAMOS	-	MEPD	-

PRODUCT NAME		QUANTITY	OW	/NER		LOCATION			CONTACT	
OR EQUIPMENT	ТҮРЕ	IN TONNES	GOVERNMENT	PRIVATE	LATITUDE	LONGITUDE	DESCRIPTION	CHECKS	POINT	COMMENTS
OILER 60	Concentrate dispersants (3 rd generation)	1.53	-	PUBLIC POWER CORPORATION S.A. – LEMNOS DEPARTMENT	39º 90' 03"N	25°07' 22" E	AVLONA \ LEMNOS	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	0.20	-	PUBLIC POWER CORPORATION S.A. –HERAKLEIO DEPARTMENT	35°20'31"N	025º 03'01"E	LINOPERAMATA HERAKLEIO	-	MEPD	-
SUPER DISPERSAND 25	Concentrate dispersants (3 rd generation)	1.02	-	AUTHORITY OF THESSALONIKI PORT	40° 38' N	22° 56'E	THESSALONIKI PORT	-	MEPD	-
MARICHEM OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	0.40	-	AUTHORITY OF HERAKLION PORT	40° 38,916'N	22° 53,035'E	HERAKLION	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	0.20	-	FULGOR S.A.	37°54' 08"N	23 ° 34' E	SOUSAKI KORINTH	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	0.10	-	PETROGAZ SA	39°09' 164'' N	026° 31' 942"E	MITILINI	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	0.80	-	AUTHORITY OF ELEFSINA PORT	38°01' 53"N	23°29' 57" E	ELEFSINA	-	MEPD	-
CHEMO OILER	Concentrate dispersants (3 rd generation)	0.20	-	MARINA ZAMPETAKIS	35º 20' 09"N	25º 18' 02" E	GOUVES HERAKLION	-	MEPD	-
SUPER DISPERSAND	Concentrate dispersants (3 rd generation)	0.60		TITAN S.A.	38º 02' 25" N	23º 31' 57" E	ELEFSINA	-	MEPD	-
SUPER DISPERSAND 25	Concentrate dispersants (3 rd generation)	0.40		HALIVOURGIKI S.A.	38°02'18" N	2333' 34" E	ELEFSINA	-	MEPD	-

PRODUCT NAME		QUANTITY	ow	/NER		LOCATION			CONTACT	
OR EQUIPMENT	ТҮРЕ	IN TONNES	GOVERNMENT	PRIVATE	LATITUDE	LONGITUDE	DESCRIPTION	CHECKS	POINT	COMMENTS
OILER 60	Concentrate dispersants (3 rd generation)	0.84		DESFA	37°57' 38" N	23°24' 09" E	MEGARA	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	3.00		HELPE PACHI	37° 58' 21" N	23°22' 54" E	РАСНІ	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	3.00		HELPE ELEFSINAS	38° 01' 57" N	23° 30' 35" E	ELEFSINA	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	0.20		PETROGAZ S.A	35°34'55"N	025°04'44" E	LINOPERAMATA HERAKLEIO	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	0.40	-	EKO ABEE 1&2	35°20'52" N	025° 02'41'''E	LINOPERAMATA HERAKLEIO	-	MEPD	-
SUPER DISPERSAND 25	Concentrate dispersants (3 rd generation)	0.15	-	CETRACORE JETOIL	40° 38' 54,5''N	22° 53'04,1"E	THESSALONIKI	-	MEPD	-
SUPER DISPERSAND 25	Concentrate dispersants (3 rd generation)	0.09	-	NORTH AEGEAN SLOPS	40° 38' 14,3"N	22°54'38,8"E	THESSALONIKI	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	0,06	-	ATLANTIS S.A	40° 38'23,4"N	22° 54'16,0"E	THESSALONIKI	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	0,06	-	AUTHORITY OF KAVALA PORT	40°56',08,5 N	024°24',32,7 E	KAVALA	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	1.00	-	ENERGEIAN OIL & GAS	40°57',30,0 N	024°32',34,3 E	KAVALA	-	MEPD	-

PRODUCT NAME		QUANTITY	ov	/NER		LOCATION			CONTACT	
OR EQUIPMENT	ТҮРЕ	IN TONNES	GOVERNMENT	PRIVATE	LATITUDE	LONGITUDE	DESCRIPTION	CHECKS	POINT	COMMENTS
OILER 60	Concentrate dispersants (3 rd generation)	3.15	-	AVIN OIL	40°58',19 N	024°32',40 E	KAVALA	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	0.30	-	EKO ABEE	36° 24' 38,58" N	028° 13' 38,90" E	KANAMATI RODOS	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	2.07	-	LARKO SA	38° 34, 53"N	23° 17, 57'E	LARIMNA	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	0.84	-	PUBLIC POWER CORP.	38° 20,156'N	026° 09,326' E	EAST COAST OF CHIOS ISLAND	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	32.00	-	MOTOR OIL HELLAS REFINERIES MOTOR OIL HELLAS	37º 55' N	23° 05' E	ST. THEODOROI KORINTH	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	4.00	-	CORAL S.A.	40° 57' 43,5 N	24°32 44,2' E	KAVALA	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	0.80	-	PUBLIC POWER CORPORATION S.AKALYMNOS DEPARTMENT	36° 57,00'N	026° 59,70' E	LAFASI KALYMNOS	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	0.20	-	EKOTA SA KOS	36°49',470N	027° 02',856 E	MASTIHARI KOS	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	0.40	-	PUBLIC POWER CORPORATION S.A. – KOS DEPARTMENT	36°49',350 N	027°02',844 E	PROTOKARAVO KOS	-	MEPD	-

PRODUCT NAME		QUANTITY	ow	NER		LOCATION			CONTACT	
OR EQUIPMENT	ТҮРЕ	IN TONNES	GOVERNMENT	PRIVATE	LATITUDE	LONGITUDE	DESCRIPTION	CHECKS	POINT	COMMENTS
OILER 60	Concentrate dispersants (3 rd generation)	0.60	-	PFIC LTD	40° 57'06,1" N	24° 28'50,0" E	KAVALA	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	0.10	-	MARINA LEFKAS	38° 49,8' N	20° 42,8' E	MARINA LEFKAS	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	0.08	-	ELINOIL SA	41 °00,472' N	025°07,642"E	PORTO LAGOS	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	0.06	-	MARINA KALAMATAS	37°01'28,2"N	22° 06' 18,6" E	KALAMATA	-	MEPD	-
SUPER DISPERSANT	Concentrate dispersants (3 rd generation)	0.20	-	AUTHORITY OF KERKIRA PORT	39°37'46.1"N	19°54'04,0" E	KERKIRA	-	MEPD	-
SUPER DISPERSANT 25	Concentrate dispersants (3 rd generation)	0.40	-	AUTHORITY OF KERKIRA PORT- PAXI ISLAND	39°12 13,3"N	20° 11' 24,1" E	PAXI ISLAND	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	1.24	-	SEKAS S.A.	34°55'50"N	024° 48'50"E	KALOI LIMENES	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	0.80	-	BP HELLAS S.A.	39°65'22" N	019°8474° E	GOUVIA KERKIRAS	-	MEPD	-
SUPER DISPERSANT 25	Concentrate dispersants (3 rd generation)	2.00	-	SOVEL SA – AEIFOROS SA	39° 10' 17.74" N	22° 51' 4,39" E	TSIGGELI ALMIROU MAGNISIA	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	1.00	-	MILLI LOULI SA	39°10'09"N	22°52' 26"E	TSIGGELI ALMIROU	-	MEPD	-

PRODUCT NAME		QUANTITY	OV	VNER		LOCATION			CONTACT	
OR EQUIPMENT	ТҮРЕ	IN TONNES	GOVERNMENT	PRIVATE	LATITUDE	LONGITUDE	DESCRIPTION	CHECKS	POINT	COMMENTS
OILER 60	Concentrate dispersants (3 rd generation)	0.08	-	AGET HERCULES SA	39° 21' 010" N	22° 59' 206" E	AGRIA MAGNISIAS	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	0.20	-	ZOUMPLIOS DRY DOCK	37° 59' 53" N	23° 25' 05" E	NEA PERAMOS	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	0.80	-	PRIVATE SEA MARINE SERVICES	38° 02' 06" N	23° 30' 16" E	ELEFSINA	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	0.40	-	HALYPS BUILDING MATERIALS SA	38° 02' 04" N	23° 35' 28" E	ELEFSINA	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	0.25	-	MARINA GOUVIES KERKIRAS	39° 38' 51,5" N	19° 51' 15" E	KERKIRA	-	MEPD	-
MARICHEM OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	0.20	-	PETROGAZ S.A.	38° 02' 02" N	23° 35' 36" E	ASPROPYRGOS	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	0.86	-	RAVAGO LAVRIOU HELLAS	37° 44' 26,5" N	24° 03' 41,9" E	LAVRIO	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	0.20	-	EKO ABEE SKARAMAGA	38° 00' 15" N	23° 35' 25" E	SKARAMAGAS	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	0.40	-	HALYPS CEMENT	38° 02' 00,5" N	23° 35' 33,5" E	ASPOPIRGOS	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	2.20	-	HELLENIC FUELS S.A	38° 01' 20" N	23° 35' 37" E	ASPROPIRGOS	-	MEPD	-

PRODUCT NAME		QUANTITY	0'	WNER		LOCATION			CONTACT	
OR EQUIPMENT	ТҮРЕ	INTONNES	GOVERNMENT	PRIVATE	LATITUDE	LONGITUDE	DESCRIPTION	CHECKS	POINT	COMMENTS
OILER 60	Concentrate dispersants (3 rd generation)	0.10	-	PUBLIC POWER CORPORATION S.A THORIKO LAVRIO	37° 44' 45,4" N	24° 03' 51.4" E	LAVRIO	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	0.12	-	AUTHORITY OF IGOUMENITSA PORT	39° 49' 35" N	20° 26' 10" E	IGOUMENITSA	-	MEPD	-
MARICHEM OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	0.04	-	AGET HERCULES	35° 20'44,5"N	025° 02'39,2"E	LINOPERAMATA HERAKLEIO	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	0.56	-	HELPE SA	40° 38,682' N	22° 52,752' E	THESSALONIKI	-	MEPD	-
MARICHEM OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	0.04	-	AGET HERCULES	40° 38,61' N	22° 53,89' E	THESSALONIKI	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	0.02	-	AGET HERCULES	40° 55' 35"N	24° 23' 25"E	KAVALA	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	0.10	-	CORAL HELLAS	35° 55' N	24° 05' 87" E	SAINT ONOUFRIOS CHANIA	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	0.22	-	SILK OIL S.A.	35° 54' 94" N	24° 05' 88" E	SAINT ONOUFRIOS CHANIA	-	MEPD	-
SUPER DISPERSANT 25	Concentrate dispersants (3 rd generation)	1.00	-	SOYAN MILLS S.A.	37º 55' 10" N	023°01' 25" E	KALAMAKI KORINTH	-	MEPD	-
SUPER DISPERSANT 25	Concentrate dispersants (3 rd generation)	0.20	-	MOURIKIS S.A.	37° 55' 09" N	023° 01' 33" E	KALAMAKI KORINTH	-	MEPD	-

PRODUCT NAME		QUANTITY	0	WNER		LOCATION			CONTACT	
OR EQUIPMENT	ТҮРЕ	IN TONNES	GOVERNMENT	PRIVATE	LATITUDE	LONGITUDE	DESCRIPTION	CHECKS	POINT	COMMENTS
OILER 60	Concentrate dispersants (3 rd generation)	0.20	-	OLYMPIC MARINE S.A.	37° 41' 49,42" N	024° 03' 29,6"E	PANORMOS LAVRIO	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	0.10	-	MARINA MITILINIS- LESVOS ISLAND	39°05' 50,3" N	026° 33' 26,0" E	LESVOS	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	0.20	-	AGET HERCULES SA	38° 22' 50" N	24° 03' 42" E	ALIVERI	-	MEPD	-
SUPER DISPERSANT 25	Concentrate dispersants (3 rd generation)	0.22	-	PUBLIC POWER CORPORATION S.A ALIVERI	38° 23' 36" N	24° 03' 06 E	ALIVERI	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	0.50	-	DIA.V.PE.TH.B. SA	38° 21'46" N	22° 41' 08" E	THISVI FOKIDAS	-	MEPD	-
OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	1.00	-	PUBLIC POWER CORPORATION S.ASKALA MITILINI	39°07' 09,5" N	26° 32' 58,9" E	LESVOS	-	MEPD	-
MARICHEM OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	0.40	-	HELLENIC FUELS SA	39°63'49" N	019°87'82" E	ALIKES KERKIRAS	-	MEPD	-
SUPER DISPERSANT 25	Concentrate dispersants (3 rd generation)	1.50	-	PUBLIC POWER COORPORATION S.AMILOS DEPARTMENT	36° 42' 397"N	024° 28' 224" E	MILOS	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	1.00	-	BP HELLAS S.A.	39°09' 26,9" N	026° 31' 51,7"E	SKALA LESVOS	-	MEPD	-
MARICHEM OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	0.04	-	AGET HERCULES SA	38° 18' 38,9"N	21°47'29,4"E	RIO-PATRA	-	MEPD	-

PRODUCT NAME		QUANTITY	OW	/NER		LOCATION			CONTACT	
OR EQUIPMENT	ТҮРЕ	IN TONNES	GOVERNMENT	PRIVATE	LATITUDE	LONGITUDE	DESCRIPTION	CHECKS	POINT	COMMENTS
OILER 60	Concentrate dispersants (3 rd generation)	0.05	-	TITAN S.A	38° 20' 12,6"N	21° 50' 45,1"E	DREPANO	-	MEPD	-
SUPER DISPERSANT-25	Concentrate dispersants (3 rd generation)	1.00	-	REVOIL AEEP	38° 19'86"N	026°09'61"E	EAST COAST OF CHIOS ISLAND	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	0.40	-	PUBLIC POWER CORPORATION S.ARODOS DEPARTMENT	36° 22' 48,87"N	028° 01' 05,13" E	SORONI RODOS	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	4.00	-	HELPE ASPROPIRGOU	38° 01' 47" N	23° 35' 41" E	ASPROPIRGOS	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	0.20	-	LAMDA FLISVOS MARINA	37° 55' 53,2" N	23° 41' 06,1" E	PEIRAEUS	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	0.42	-	AUTHORITY OF PATMOS PORT	37° 19' 24,6" N	26° 32' 43,1" E	PATMOS ISLAND	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	0.50	-	PUBLIC POWER CORPORATION S.APATMOS DEPARTMENT	37° 19' 46,2" N	26° 32' 35,6" E	PATMOS ISLAND	-	MEPD	-
OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	0.80	-	MELCO OIL	38° 02' 07" N	23° 35' 26" E	ASPROPIRGOS	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	1.24	-	SEKA SA	34° 55'55" N	024° 48'07,9" E	KALOI LIMENES	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	3.00	-	MILLI LOULI SA	37° 57'20" N	023° 36'45,8" E	PEIRAEUS	-	MEPD	-

PRODUCT NAME		QUANTITY		OWNER		LOCATION			CONTACT	
OR EQUIPMENT	ТҮРЕ	IN TONNES	GOVERNMENT	PRIVATE	LATITUDE	LONGITUDE	DESCRIPTION	CHECKS	POINT	COMMENTS
OILER 60	Concentrate dispersants (3 rd generation)	2.05	-	SOYA HELLAS	38° 34' 04,2" N	23° 36' 10" E	PSAHNA EVOIAS	-	MEPD	-
OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	1.08	-	PUBLIC POWER CORPORATION S.AANDROS DEPARTMENT	37° 50' 48,6" N	24° 56' 19" E	ANDROS	-	MEPD	-
SUPER DISPERSANT 25	Concentrate dispersants (3 rd generation)	0.05	-	KORINTH CANAL	37° 55'39" N	022° 59'40" E	KORINTHOS	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	1.05	-	PUBLIC POWER CORPORATION S.A SKIROS DEPARTMENT	38° 50' 55,5" N	024° 32' 17,1" E	SKIROS	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	0.88	-	AYTHORITY OF PLATIGIALI PORT	38° 28' 44,8" N	21º 06' 10,8" E	ASTAKOS	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	2.00	-	PUBLIC POWER CORPORATION S.A ATHERINOLAKOS	35° 00' 14,6" N	26° 08' 28,8" E	IERAPETRA	-	MEPD	-
OILER 60	Concentrate dispersants (3 rd generation)	0.50	-	SEKAVIN S.A	370 25'825" N	024° 56'802" E	SYROS	-	MEPD	-
MARICHEM OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	1.60	THESSALONIKI PORT AUTHORITY	-	22° 55' 35" N	40° 38' 06" E	THESSALONIKI PORT AUTHORITY	-	MEPD	-

PRODUCT NAME		QUANTITY	OWNER			LOCATION			CONTACT	
OR EQUIPMENT	ТҮРЕ	IN TONNES	GOVERNMENT	PRIVATE	LATITUDE	LONGITUDE	DESCRIPTION	CHECKS	POINT	COMMENTS
MARICHEM OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	1.80	ALEXANDROUPOLIS PORT AUTHORITY	-	025°53'07,82"N	40° 50'46,15"E	ALEXANDROUPOLIS PORT AUTHORITY	-	MEPD	-
MARICHEM OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	1.60	PATRA PORT AUTHORITY	-	21º 43' 56" N	38° 14' 51"E	PATRA PORT AUTHORITY	-	MEPD	-
MARICHEM OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	1.60	SKIROS PORT AUTHORITY	-	38° 54' 15" N	24° 33' 53,3"E N	SKIROS PORT AUTHORITY	-	MEPD	-
MARICHEM OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	0.80	RODOS PORT AUTHORITY	-	36° 27' 05,55" N	028°13'30,90"E	RODOS PORT AUTHORITY	-	MEPD	-
MARICHEM OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	0.80	CHANIA PORT AUTHORITY	-	35° 31' 070" N	024° 01' 080" E	CHANIA PORT AUTHORITY	-	MEPD	-
MARICHEM OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	0.80	SITIA PORT AUTHORITY	-	26° 06' 41,8" N	35° 12' 47,4" E	SITIA PORT AUTHORITY	-	MEPD	-
MARICHEM OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	0.80	SAINT NIKOLAS PORT AUTHORITY	-	35° 11,7' N	025° 43,2' E	SAINT NIKOLAS PORT AUTHORITY	-	MEPD	-
MARICHEM OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	0.80	GYTHIO PORT AUTHORITY	-	36° 75' 27" N	22° 56' 98" E	GYTHIO PORT AUTHORITY	-	MEPD	-
MARICHEM OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	0.80	ZAKYNTHOS PORT AUTHORITY	-	37° 47' 44" N	020° 54' 03" E	ZAKYNTHOS PORT AUTHORITY	-	MEPD	-

PRODUCT NAME		QUANTITY	OWNER	2		LOCATION			CONTACT	
OR EQUIPMENT	ТҮРЕ	IN TONNES	GOVERNMENT	PRIVATE	LATITUDE	LONGITUDE	DESCRIPTION	CHECKS	POINT	COMMENTS
MARICHEM OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	0.80	KATAKOLO PORT AUTHORITY	-	37° 40' N	021º 19' 06" E	KATAKOLO PORT AUTHORITY	-	MEPD	-
MARICHEM OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	1.60	KORINTHOS PORT AUTHORITY	-	37° 56' 68,80" N	22° 55' 90,40" E	KORINTHOS PORT AUTHORITY	-	MEPD	-
MARICHEM OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	0.80	KOS PORT AUTHORITY	-	36° 53' ,688" N	027° 17' ,790" E	KOS PORT AUTHORITY	-	MEPD	-
MARICHEM OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	0.80	LEFKADA PORT AUTHORITY	-	38° 49' 988" N	20° 42' 598" E	LEFKADA PORT AUTHORITY	-	MEPD	-
MARICHEM OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	0.80	NAFPLIO PORT AUTHORITY	-	37º 33' 59" N	22° 47' 51" E	NAFPLIO PORT AUTHORITY	-	MEPD	-
MARICHEM OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	0.80	PREVEZA PORT AUTHORITY	-	38° 57,55' N	022° 45,44' E	PREVEZA PORT AUTHORITY	-	MEPD	-
MARICHEM OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	0.80	PYLOS PORT AUTHORITY	-	36° 92,150' N	021º 71,079' E	PYLOS PORT AUTHORITY	-	MEPD	-
MARICHEM OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	0.20	MESOLOGGI PORT AUTHORITY	-	38° 22,2'N	21° 25,43' E	MESOLOGGI PORT AUTHORITY	-	MEPD	-
MARICHEM OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	0.80	HERAKLEIO PORT AUTHORITY	-	35° 20'65" N	025°08' 30" E	HERAKLEIO PORT AUTHORITY	-	MEPD	-
MARICHEM OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	1.60	KAVALA PORT AUTHORITY	-	40° 56' 07" N	24° 24' 32" E	KAVALA PORT AUTHORITY	-	MEPD	-

PRODUCT NAME		QUANTITY	OWNER	2		LOCATION			CONTACT	
OR EQUIPMENT	ТҮРЕ	IN TONNES	GOVERNMENT	PRIVATE	LATITUDE	LONGITUDE	DESCRIPTION	CHECKS	POINT	COMMENTS
MARICHEM OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	0.80	KERKIRA PORT AUTHORITY	-	39° 37' 62" N	019° 54' 32" E	KERKIRA PORT AUTHORITY	-	MEPD	-
MARICHEM OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	1.60	LAVRIO PORT AUTHORITY	-	37° 42,692' N	024° 03,426'E	LAVRIO PORT AUTHORITY	-	MEPD	-
MARICHEM OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	0.80	HALKIDA PORT AUTHORITY	-	38° 27, 45' N	23° 35, 40' E	HALKIDA PORT AUTHORITY	-	MEPD	-
MARICHEM OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	1.60	RAFINA PORT AUTHORITY	-	38° 01,45 N	024°00,59 E	RAFINA PORT AUTHORITY	-	MEPD	-
MARICHEM OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	1.60	MITYLINI PORT AUTHORITY	-	39° 06' N	026° 33,4 E	MITYLINI PORT AUTHORITY	-	MEPD	-
MARICHEM OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	1.60	KALI LIMENES PORT AUTHORITY	-	37º 56' 12" N	23° 37' 35" E	KALI LIMENES PORT AUTHORITY	-	MEPD	-
MARICHEM OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	1.60	CHIOS PORT AUTHORITY	-	38° 22,388'N	026° 08,477' E	CHIOS PORT AUTHORITY	-	MEPD	-
MARICHEM OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	0.80	KARPATHOS PORT AUTHORITY	-	35° 31'55,09" N	27° 12'00,086'' E	KARPATHOS PORT AUTHORITY	-	MEPD	-
MARICHEM OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	1.60	MYRINA PORT AUTHORITY	-	39° 90' 12" N	25° 10' 54" E	MYRINA PORT AUTHORITY	-	MEPD	-
MARICHEM OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	0.80	NAXOS PORT AUTHORITY	-	37º 06' 37" N	25° 22' 30" E	NAXOS PORT AUTHORITY	-	MEPD	-

PRODUCT NAME		QUANTITY	OWNE	R		LOCATION			CONTACT		
OR EQUIPMENT	ТҮРЕ	IN TONNES	GOVERNMENT	PRIVATE	LATITUDE	LONGITUDE	DESCRIPTION	CHECKS	POINT	COMMENTS	
MARICHEM OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	0.80	SAMOS PORT AUTHORITY	-	37º 75' 75" N	026° 97' 13" E	SAMOS PORT AUTHORITY	-	MEPD	-	
MARICHEM OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	0.80	LAKKI LEROS PORT AUTHORITY	-	37° 06' 51" N	26° 50' 56" E	LAKKI LEROS	-	MEPD	-	
MARICHEM OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	1.60	NEAPOLIS PORT AUTHORITY	-	36° 30' 58" N	023 03'55" E	NEAPOLIS PORT AUTHORITY	-	MEPD	-	
MARICHEM OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	0.80	PIRAEUS PORT AUTHORITY	-	37°56' 23" N	23° 38' 23" E	PIRAEUS PORT AUTHORITY	-	MEPD	-	
MARICHEM OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	0.80	KEFALLINIA PORT AUTHORITY	-	38° 18' 00"N	020° 48' 97"E	KEFALLINIA PORT AUTHORITY	-	MEPD	-	
MARICHEM OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	1.60	VOLOS PORT AUTHORITY	-	39° 21'32.372" N	22° 56' 11,392" E	VOLOS PORT AUTHORITY	-	MEPD	-	
MARICHEM OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	0.80	IGOUMENITSA PORT AUTHORITY	-	39° 50' 19" N	20° 26' 22" E	IGOUMENITSA PORT AUTHORITY	-	MEPD	-	
MARICHEM OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	1.60	KALAMATA PORT AUTHORITY	-	37° 01' 35.05"N	22° 06' 38.73" E	KALAMATA PORT AUTHORITY	-	MEPD	-	
MARICHEM OIL SPILL DISPERSANT	Concentrate dispersants (3 rd generation)	14.40	CENTRAL WARHOUSE ELEFSINA	-	38° 02' 06.89"N	23° 32' 36.70" E	CENTRAL WARHOUSE ELEFSINA	-	MEPD	-	

TOXICITY TEST

ANALYTICAL METHOD	ORGANISM	ORGANISM'S CHARACTERISTICS	CONCENTRATION OF DISPERSANT/APPLICATION RATE	PERIOD OF EXPOSURE	CRITERIA	COMMENTS
Ministerial Decree No 5219 (2000)	1) Microscopic Organisms (Artemia, Brachionous, Acartia) 2) Shrimps (Species Palaemon)	2) Shrimps: Size: 50 – 70 mm.	 1) Microscopic Organisms: Concetration of dispersant-sea water mixtures: 0,001%-0,01% -0,1% - 1% - 10% 10 ml of every mixture is used 2) Shrimps: Concetration of dispersant-sea water mixtures: 0,01% - 0,1% - 10% 3 litres of mixture is added in 4 litres of sea water 	1) Microscopic Organisms: 24 hours (at 25 oC) 2) Shrimps: 48 hours (at 15 oC)	1) Microscopic Organisms: EC50 or LC50 (24 hours) > 100 ppm 2) Shrimps: EC50 or LC50 (48 hours) > 10.000 ppm	-

SUMMARY

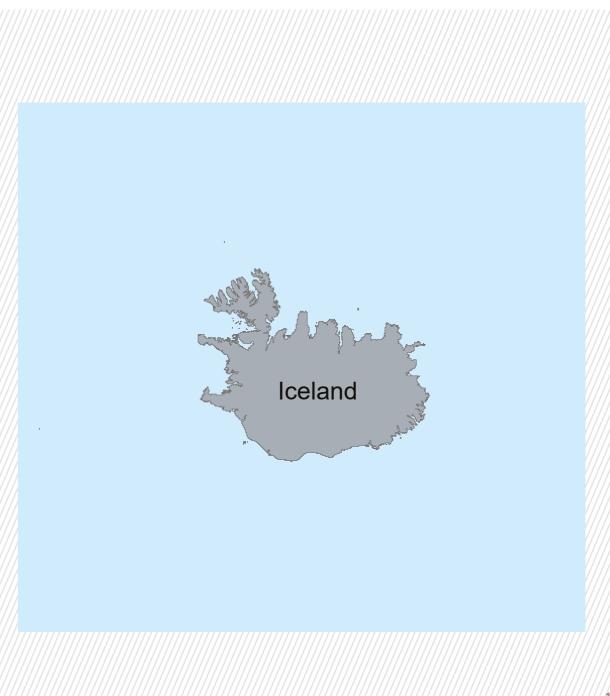
DISPERSANT USE ALLOWED	AUTHORISATION PRIOR TO USE	CONNECTION TO CONTIGENCY PLAN	PREVIOUS EXPERIENCE WITH DISPERSANT USE	DISPERSANT TESTING	PRODUCT APPROVAL PROCEDURE & LIST OF APPROVED DISPERSANTS	DISPERSANT APPLICATION CAPABILITY	DISPERSANT STOCKPILES	TRAINING AND EXCERCISES	COMMENTS
Yes, as a last resort	Yes, from MEPD (Marine Enviroment Protection Directorate under the Ministry of Mritime Affairs and Insular Policy)	Yes	No	Yes	Yes	Shipboard:Yes Aerial: No	Yes	Yes	-

European Maritime Safety Agency



National policies on the usage of oil spill dispersants in the EU Member States





I. USAGE OF OIL SPILL DISPERSANTS

Competent national authorities responsible for oil pollution at sea icluding the use of dispersants	Usage of oil spill dispersants	Potential changes in current dispersant policy	National Contigency Plan (NCP)
The authority with overall responsibility for oil pollution	Yes, restrictively.	No change in the national policy	The use of dispersants is not described in Iceland's
response at sea is the Environment Agency of Iceland (EAI)		regarding dispersant usage is	National Contingency Plan, but Iceland published a
under the auspices of the Ministry of the Environment,		currently being considered in	national policy regarding the use of dispersants in
Energy and Climate		Iceland	Icelandic waters in 2022.

2. DISPERSANT TESTING AND APPROVAL

Product testing and approval scheme

		EFFICACY TEST			TOXICITY TEST			BIODEGRADABILITY TEST		
Yes/No	Yes/No	Analytical Method	Selection Criteria	Yes/No	Analytical Method	Selection Criteria	Yes/No	Analytical Method	Selection Criteria	
No standard dispersant approval schemes are in place, but are being developed in connection with the national policy regarding the use of dispersants in Icelandic waters.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	



Product testing and approval scheme (cont.)

Yes/NoAnalytical MethodSelection CriteriaLaboratories that perform dispersant testingCompetent authority for dispersants approvalYes/No (If Yes please see Approved dispersant sheet)Competent authority for publishing and frequency of revisionN/AN/AN/AN/AThe Environment Agency of Iceland (EAI)No list of approved dispersants exists.No list of approved dispersants exists.		OTHER			LIS	T OF APPROVED DISPERSANTS
N/Δ N/Δ N/Δ	Yes/No			perform	 (If Yes please see Approved dispersant	
	N/A	N/A	N/A	N/A	 	N/A

3. RESPONSE STRATEGY

AUTHO	RISATION REQUIRED PRIOR TO DISPERSANT USE						
Yes/No	Authority which grants mission for dispersant use authorisation/per mission for dispersant use	Specific circumstances to use dispersants (geographical restrictions, etc.)	Used as a 1 st reponse option	Used as a 2 nd reponse option	Used as a last resort	Not used at all	Previous experience with dispersants
Yes	The Environment Agency of Iceland (EAI)	Dispersants should not be used in very shallow waters (depth less than 20 meters) and not directly above shellfish habitats, coral reefs, sensitive seaweed or spawning grounds. It is not recommended to use dispersants in the vicinity of aquaculture, shellfish farming or in shallow waters where fishing is practiced. Not advisable to use dispersants near the water inlets of industrial companies.	Yes	Yes	Yes	No	Minor amounts in harbour spills.

4. DISPERSANT APPLICATION EQUIPMENT AND STOCKPILES

AVAILABLE RESOURCES OF SPRAYING EQUIPMENT	(IF YES P	AVAILABLE STOCKPILES LEASE SEE DISPERSANT STOCKPLILE SHEET)
(IF YES PLEASE SEE DISPERSANT SPRAYING SHEET)	Yes/no	Testing/ restesting requirements for dispersants in stockpiles
lceland does not maintain any vessel or aircraft dispersant application capability, but some pilot boats in Iceland have sprey nozzles.	Iceland does not hold any dispersant stockpiles	N/A

5. TRAINING AND EXERCICES



6. RESOURCES AVAILABLE TO OTHERS MS IN CASE OF REQUEST FOR ASSISTANCE

DISPERSANT APPLICATION EQUIPMANT ONLY	DISPERSANT APPLICATION EQUIPMANT WITH TRAINED PERSONNEL	DISPERSANTS	PERSONNEL WITH DISPAERSANT USAGE EXPERTISE	AERIAL SURVEILLANCE	OTHER (PLEASE SPECIFY)
No	No	No	No	Yes	No



COMMENTS

Dispersants should only be used if a risk assessment based, inter alia, on a sensitivity map shows that the use of dispersants reduces the potential damage of oil pollution and does not increase damage to the environment.

APPROVED DISPERSANTS

Dispersants approved for use

PRODUCT NAME	ТҮРЕ	COMPANY	COMMENTS
-	-	-	-

DISPERSANTS APPLICATION CAPABILITY

Vessel application - Dipersant spraying equipment

	OWNER		OPERATIONS PORT/		LOCATION					
EQUIPMENT	GOVERNMENT	PRIVATE	QUANTITY	COASTAL/ OFFSHORE	CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	CONTACT POINT	COMMENTS
-	-	-	-	-	-	-	-	-	-	-

Aircraft application - Dipersant spraying equipment

EQUIPMENT	OWNER				1	LOCATION		CONTACT		
	GOVERNMENT	PRIVATE	QUANTITY	CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	POINT	COMMENTS	
-	-	-	-	-	-	-	-	-	-	

DISPERSANTS STOCKPILES

PRODUCT NAME			OWNER		LOCATION			CON	CONTACT			
OR EQUIPMENT		QUANTITY	GOVVERNMENT	PRIVATE	DESCRIPTION	LATITUDE	LONGITUDE	CHECKS	POINT	COMMENTS	TYPE	
-	-	-	-	-	-	-	-	-	-	-	-	

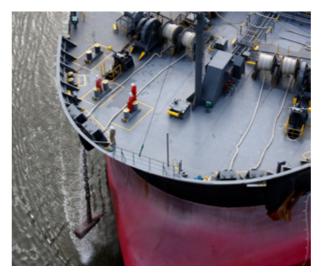
TOXICITY TEST

ANALYTICAL METHOD	ORGANISM	ORGANISM'S CHARACTERISTICS	CONCENTRATION OF DISPERSANT/APPLICATION RATE	PERIOD OF EXPOSURE	CRITERIA	COMMENTS
-	-	-	-	-	-	-

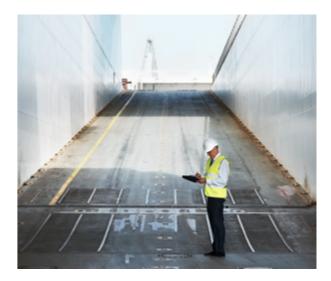


SUMMARY

DISPERSANT USE ALLOWED	AUTHORISATION PRIOR TO USE	CONNECTION TO CONTIGENCY PLAN	PREVIOUS EXPERIENCE WITH DISPERSANT USE	DISPERSANT TESTING	PRODUCT APPROVAL PROCEDURE & LIST OF APPROVED DISPERSANTS	DISPERSANT APPLICATION CAPABILITY	DISPERSANT STOCKPILES	TRAINING AND EXCERCISES	COMMENTS
Yes, according to a national policy regarding the use of dispersants in Icelandic waters	Yes, from EAI (Environmet Agency of Iceland under the auspicious of the Ministry of the Environment, Energy and Climate)	No	Yes (within harbor areas)	No	No	Shipboard: No Aerial: No	No	No	-









National policies on the usage of oil spill dispersants in the EU Member States





I. USAGE OF OIL SPILL DISPERSANTS

Competent national authorities responsible for oil pollution at sea icluding the use of dispersants	Usage of oil spill dispersants	Potential changes in current dispersant policy	National Contigency Plan (NCP)
The Irish Coast Guard has the delegated authority of the Department of Transport to authorise and control the use of dispersants in Irish waters.	Yes, application and use are determined on a case by case option.The policy on dispersants is that the use of dispersants in Irish waters is forbidden unless authorised by the Department of Transport Sea Pollution Act 1991 Para 11 (c).	No change in the national policy regarding dispersant usage is currently being considered	Yes. The use of oil spill dispersants is clearly described in Ireland's National Contingency Plan.

2. DISPERSANT TESTING AND APPROVAL

Product testing and approval scheme

	EFFICACY TEST			TOXICITY TEST			BIODEGRADABILITY TEST		
Yes/No	Yes/No	Analytical Method	Selection Criteria	Yes/No	Analytical Method	Selection Criteria	Yes/No	Analytical Method	Selection Criteria
There exist no standard Irish regulations or formal evaluation procedures for the testing and approval of dispersants. Dispersants which have been tested and approved for use within the BONN Agreement Area can be considered for use in Ireland.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Product testing and approval scheme (cont.)

	OTHER				LIST OF APPROVED DISPERSANTS				
Yes/No	Analytical Method	Selection Criteria	Laboratories that perform dispersant testing	Competent authority for dispersants approval	Yes/No (If Yes please see Approved dispersant sheet)	Competent authority for publishing and frequency of revision			
N/A	N/A	N/A	N/A	The Irish Coast Guard.	No list of approved dispersants exists in Ireland	N/A			

3. RESPONSE STRATEGY

AUTHORISATION REQUIRED	PRIOR TO DISPERSANT USE						
Yes/No	Authority which grants mission for dispersant use authorisation/per mission for dispersant use	Specific circumstances to use dispersants (geographical restrictions, etc.)	Used as a 1 st reponse option	Used as a 2 nd reponse option	Used as a last resort	Not used at all	Previous experience with dispersants
Oil spill dispersant may not be used without the authorisation of the Irish Coast Guard unless it is deemed that the immediate situation requires its use to prevent or reduce substantially hazards to human life or limb or to reduce substantially explosion or fire hazards to property. Where any dispersant is used the Irish Coast Guard should be notified immediately.	The Irish Coast Guard	 Dispersant spraying must be authorised by Irish Coast Guard. The Coast Guard, circumstances permitting, will consult with nominated State bodies before authorising dispersant use in the following areas: Water depth less than 30 metres Inside the straight base lines and the mainland Within one nautical mile of charted banks The decision to use dispersants will be on a case by case basis. The use of dispersants in shallow waters, bays, harbours and inlets may not be authorised except in exceptional circumstances. 	Maybe	Maybe	No	No	No

4. DISPERSANT APPLICATION EQUIPMENT AND STOCKPILES

AVAILABLE RESOURCES OF SPRAYING EQUIPMENT		AVAILABLE STOCKPILES (IF YES PLEASE SEE DISPERSANT STOCKPLILE SHEET)						
(IF YES PLEASE SEE DISPERSANT SPRAYING SHEET)	Yes/no	Testing/ restesting requirements for dispersants in stockpiles						
See next: Available stockpiles	No - Dispersant stockpiles are not stored in Ireland. If required dispersants and application Units will be brought in from BONN Treaty Areas and/or from Tier 3 Contractor.	N/A						

5. TRAINING AND EXERCICES

REGULAR EXERCICES AND TRAINING PROGRAMMES

Yes, exercises carried out with Tier 3 Contractor on a scheduled basis.

6. RESOURCES AVAILABLE TO OTHERS MS IN CASE OF REQUEST FOR ASSISTANCE

DISPERSANT APPLICATION EQUIPMANT ONLY	DISPERSANT APPLICATION EQUIPMANT WITH TRAINED PERSONNEL	DISPERSANTS	PERSONNEL WITH DISPAERSANT USAGE EXPERTISE	AERIAL SURVEILLANCE	OTHER (PLEASE SPECIFY)
N/A	N/A	N/A	Ν/Α	Yes	N/A

COMMENTS

APPROVED DISPERSANTS

Dispersants approved for use

PRODUCT NAME	ТҮРЕ	COMPANY	COMMENTS
-	-	-	-

-

DISPERSANTS APPLICATION CAPABILITY

Vessel application - Dipersant spraying equipment

EQUIPMENT	OWNER			OPERATIONS PORT/			LOCATION			
	GOVERNMENT	PRIVATE	QUANTITY	COASTAL/ OFFSHORE	CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	CONTACT POINT	COMMENTS
-	-	-	-	-	-	-	-	-	-	-

Aircraft application - Dipersant spraying equipment

EQUIPMENT	OWNER				LOCATION			CONTACT		
	GOVERNMENT	PRIVATE	QUANTITY	CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	POINT	COMMENTS	
-	-	-	-	-	-	-	-	-	-	

DISPERSANTS STOCKPILES

PRODUCT NAME OR EQUIPMENT	ТҮРЕ	QUANTITY	OWNER		LOCATION				CONTACT		
			GOVERNMENT	PRIVATE	DESCRIPTION	LATITUDE	LONGITUDE	CHECKS	POINT	COMMENTS	TYPE
-	-	-	-	-	-	-	-	-	-	-	-

TOXICITY TEST

ANALYTICAL METHOD	ORGANISM	ORGANISM'S CHARACTERISTICS	CONCENTRATION OF DISPERSANT/APPLICATION RATE	PERIOD OF EXPOSURE	CRITERIA	COMMENTS
-	-	-	-	-	-	-

SUMMARY

DISPERSANT USE ALLOWED	AUTHORISATION PRIOR TO USE	CONNECTION TO CONTIGENCY PLAN	PREVIOUS EXPERIENCE WITH DISPERSANT USE	DISPERSANT TESTING	PRODUCT APPROVAL PROCEDURE & LIST OF APPROVED DISPERSANTS	DISPERSANT APPLICATION CAPABILITY	DISPERSANT STOCKPILES	TRAINING AND EXCERCISES	COMMENTS
Yes, as a secondary response option	Yes, from the Irish Coast Guard	Yes	No	No	No/Acceptance of dispersants for use by UK	Shipboard: No Aerial: Yes	No	No	-



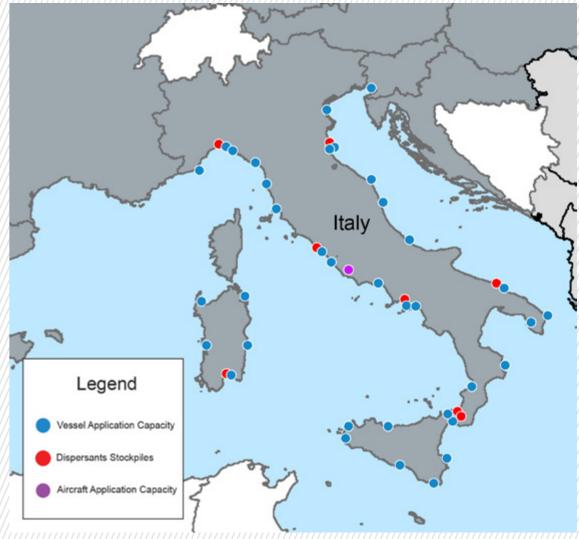






National policies on the usage of oil spill dispersants in the EU Member States

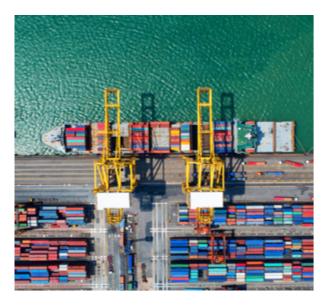




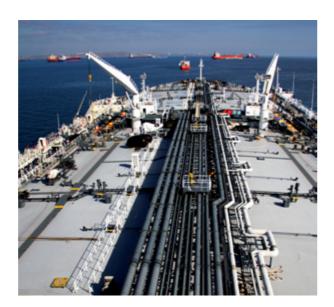
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I. USAGE OF OIL SPILL DISPERSANTS

Competent national authorities responsible for oil pollution at sea icluding the use of dispersants	Usage of oil spill dispersants	Potential changes in current dispersant policy	National Contigency Plan (NCP)
The authority with overall responsibility for oil pollution response at sea is the Ministry for Environment and Territory and Sea.	Yes, as a last response option.	No changes so far have been occurred in the national policy regarding dispersant usage. However, a dedicated working group has been activated in order to carry out a deep review of the relevant Decree	The use of dispersants is clearly described in Italy's National Contingency Plan (Actual version approved on 29/01/2013 is available at https://www.mite.gov. it/sites/default/files/archivio/normativa/strategia_ marina/piano_mattm_23-01-2013.pdf). Furthermore, a new fully revised National Contingency Plan has been already written by a dedicated working group and it is going to be approved soon.







2. DISPERSANT TESTING AND APPROVAL

Product testing and approval scheme

		EFFICACY	TEST		TOXICITY TE	ST		BIODEGRADAI	BILITY TEST
Yes/No	Yes/No	Analytical Method	Selection Criteria	Yes/No	Analytical Method	Selection Criteria	Yes/No	Analytical Method	Selection Criteria
A standard approval scheme for marine depolluting products was defined by the Italian Ministry of the Ecological Transition. A Directorate Decree defining procedures for recognising the suitability of dispersant and absorbent products to be used at sea for the clearance of contamination by hydrocarbon oils was issued in February 2011. These procedures had been prepared by a group of experts belonging to the main Italian research institutions: ISPRA (Institute for Environmental Protection and Research), APAT (Agency for Environmental Protection and Technical Services), ISS (Istituto Superiore di Sanità), and include analyses on the effectiveness, toxicity, stability, bioaccumulation and biodegradability of depolluting products with dispersant or absorbent action.	Yes	National Decree 25/02/2011	> 60%	Yes	See toxicity test sheet	See toxicity test sheet	Yes	"closed bottle" OECD n. 306 (17 July 1992)	All the product's components shall be biodegradable with a consumption of oxygen greater than 60% of the ThOD.

Product testing and approval scheme (cont.)

OTHER					LIST OF APPROVED DISPERSANTS			
Yes/No	Analytical Method	Selection Criteria	Laboratories that perform dispersant testing	Competent authority for dispersants approval	Yes/No (If Yes please see Approved dispersant sheet)	Competent authority for publishing and frequency of revision		
No	-	-	The analyses were carried out by private or public laboratories authorised by the General Directorate for the Natural Heritage and the Sea of the Italian Ministry of the Ecological Transition. Laboratories currently authorised to carry out analyses to determine the suitability for use in the sea of depolluting products operate in accordance with UNI CE1 EN ISO/IEC 17025.	Ministry of the Ecological Transition	A regularly updated list of dispersants approved for use at sea is available on the Ministry of the Ecological Transition's website (www.mite.gov.it). According to this list, selected dispersants have been approved for marketing in Italy, while for using at sea it is always necessary, to have case by case, a special authorization by Ministry of the Ecological Transition.	Ministry of the Ecological Transition		

3. RESPONSE STRATEGY

AUTHORISATION	REQUIRED PRIOR TO DISPERSANT USE						
Yes/No	Authority which grants mission for dispersant use authorisation/per mission for dispersant use	Specific circumstances to use dispersants (geographical restrictions, etc.)	Used as a 1 st reponse option	Used as a 2 nd reponse option	Used as a last resort	Not used at all	Previous experience with dispersants
The use of dispersants is allowed following prior official authorisation.	The Ministry of the Ecological Transition.	No. The use of dispersants may be considered as a response option to an oil spill when other measures are not effective and sensitive ecological resources are at risk. Dispersant use is decided on a case-by-case basis	No	No	Yes	No	No

4. DISPERSANT APPLICATION EQUIPMENT AND STOCKPILES

AVAILABLE RESOURCES OF SPRAYING EQUIPMENT	(IF YES F	AVAILABLE STOCKPILES PLEASE SEE DISPERSANT STOCKPLILE SHEET)
(IF YES PLEASE SEE DISPERSANT SPRAYING SHEET)	Yes/no	Testing/ restesting requirements for dispersants in stockpiles
Yes. Vessel dispersant application capability (shipboard spraying equipment and specialised response vessels) is available to the Italian Government through arrangements with the private sector (Castalia Ecolmar) and is allocated to various ports around the country. There are also 4 vessels of the Italian Coast Guard that are equipped for the antipollution measures and 4 vessels of the Italian Navy. Aircraft dispersant application is available in Italy.	Stockpiles of dispersants are available in Italy (around 126000 I) and are checked annually	-

5. TRAINING AND EXERCICES

REGULAR EXERCICES AND TRAINING PROGRAMMES

Yes (general excercises on oil spill pollution are performed with the Italian Coast Guard and also indipendently in the private sector. There are specific operational measures for the use of dispersants but special exercises have not yet been made)

6. RESOURCES AVAILABLE TO OTHERS MS IN CASE OF REQUEST FOR ASSISTANCE

DISPERSANT APPLICATION EQUIPMANT ONLY	DISPERSANT APPLICATION EQUIPMANT WITH TRAINED PERSONNEL	AERIAL SURVEILLANCE	OTHER (PLEASE SPECIFY)		
The assistance to other MS is a by case	llowed by the Ministry of the Ecolo	s available are determined case	No	No	
COMMENTS					

The use of dispersants must be preventively assessed and it is subject to the prior evaluation of the Ministry of the Ecological Transition



APPROVED DISPERSANTS

Dispersants approved for use

PRODUCT NAME	ТҮРЕ	COMPANY	COMMENTS
CLEANING ECO 85	Dispersant	Cleaning Tech Srl	DECREE 16/02/2015 (extension with DECREE n. 10932 17/02/2020)
CLEANING ECO 87	Dispersant		DECREE 04/08/2015 (extension with DECREE n. 59341 29/07/2020)
CHIMSPERSE 4000	Dispersant	CHIMEC Spa	DECREE 16/02/2015 (extension with DECREE n. 10924 17/02/2020)







DISPERSANTS APPLICATION CAPABILITY

Vessel application - Dipersant spraying equipment

	OWNE	R		OPERATIONS PORT/			LOCATION		
EQUIPMENT	GOVERNMENT	PRIVATE	QUANTITY	COASTAL/ OFFSHORE	CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	CONTACT POINT
Deep-sea supply vessel	No	Yes	1	Offshore		Harbour of Genoa (R)	44° 24' 31" N	8° 55' 36" E	
Deep-sea supply vessel	No	Yes	1	Offshore	Suitable for deep-	Harbour of Leghorn (R)	43° 34' 10" N	10°18'29" E	The Ministry of the Ecological Transition
Deep-sea supply vessel	No	Yes	1	Offshore	sea and international shipping with a minimum speed of 12 knots, have technical and mechanical equipment, which will permit recovery of	Harbour of Gaeta (R)	41° 12' 54" N	13° 34' 29" E	(Tel: +39 06 57 22 34 26/27/65/66/67;
Deep-sea supply vessel	No	Yes	1	Offshore		Harbour of Messina (R)	38° 11' 37" N	15° 33' 48" E	Cell:+39 366 96 15 312 - +39 331 63 80 851 - +39 335 81 50 659; E-mail: coimar@mite.gov.it
Deep-sea supply vessel	No	Yes	1	offshore	chemical attack of pollutants, and fire and rescue.	Harbour of Trapani (R)	38° 0' 42" N	12° 30' 11"E	
Deep-sea supply vessel	No	Yes	1	Offshore	The ability to recoil (storage of oil) is over 200 cubic meters. The quantity of	Harbour of Bari (R)	41° 8' 9" N	16° 51' 57" E	Cresca.Roberto@mite.gov.it, Chieruzzi.Tiziana@mite.gov.it,
Deep-sea supply vessel	No	Yes	1	Offshore	dispersant available on board is 200 l. R = with Radar Oil Spill	Harbour of Ancona (R(43° 37' 31'' N	13° 29' 38" E	Calzolari.Francesco@mite. gov.it, repartoambientalemarino@
Deep-sea supply vessel	No	Yes	1	Offshore	Detection	Harbour of Trieste (R)	45° 38' 9" N	13° 44' 48" E	mite.gov.it
Deep-sea supply vessel	No	Yes	1	Offshore		Harbour of Golfo Aranci (R)	40° 59' 42" N	9° 37' 13" E	



Vessel application - Dipersant spraying equipment (cont.)

	OWNE	R		OPERATIONS PORT/			LOCATION		
EQUIPMENT	GOVERNMENT	PRIVATE	QUANTITY	COASTAL/ OFFSHORE	CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	CONTACT POINT
Coastal supply vessel	No	Yes	1	Port/Coastal		Harbour of Imperia	43° 52' 41" N	8° 1' 33" E	
Coastal supply vessel	No	Yes	1	Port/Coastal		Harbour of La Spezia	44° 5' 36" N	9° 50' 14" E	
Coastal supply vessel	No	Yes	1	Port/Coastal	Suitable for coastal	Harbour of Piombino	42° 55' 57" N	10° 32' 56" E	The Ministry of the Ecological Transition (Tel: +39 06 57 22 34
Coastal supply vessel	No	Yes	1	Port/Coastal	shipping with a minimum speed of 10 knots, have technical and mechanical	Harbour of Civitavecchia	40° 41' 46" N	14°28'24" E	26/27/65/66/67; Cell:+39 366 96 15 312 -
Coastal supply vessel	No	Yes	1	Port/Coastal	equipment, which will permit recovery of hydrocarbons, solid materials and carcasses.	Harbour of Castellammare di Stabia	40° 41' 46" N	14°28'24" E	+39 331 63 80 851 - +39 335 81 50 659;
Coastal supply vessel	No	Yes	1	Port/Coastal	chemical attack of pollutants, and fire and rescue.	Harbour of Salerno	40° 40' 12'' N	14° 44' 52'' E	E-mail: coimar@mite.gov.it Cresca.Roberto@mite.gov.it,
Coastal supply vessel	No	Yes	1	Port/Coastal	The ability to recoil (storage of oil) is over 80 cubic meters. The quantity of dispersant	Harbour of Vibo Valentia	38° 43' 7" N	16° 7' 32" E	Chieruzzi.Tiziana@mite.gov.it, Calzolari.Francesco@mite.
Coastal supply vessel	No	Yes	1	Port/Coastal	available on board is 100 l.	Harbour of Termini Imerese	37° 59' 13" N	13° 42' 48" E	gov.it, repartoambientalemarino@ mite.gov.it
Coastal supply vessel	No	Yes	1	Port/Coastal		Harbour of Marsala	37° 47' 14" N	12° 26' 16" E	intergovit
Coastal supply vessel	No	Yes	1	Port/Coastal		Harbour of Licata	37° 5' 24" N	13° 56' 26" E	

Vessel application - Dipersant spraying equipment (cont.)

	OWNER			OPERATIONS PORT/			LOCATION		
EQUIPMENT	GOVERNMENT	PRIVATE	QUANTITY	COASTAL/ OFFSHORE	CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	CONTACT POINT
Coastal supply vessel	No	Yes	1	Port/Coastal		Harbour of Pozzalo	36° 42' 42" N	14° 50' 7" E	
Coastal supply vessel	No	Yes	1	Port/Coastal		Harbour of Augusta	37° 13' 39" N	15° 12' 50"	
Coastal supply vessel	No	Yes	1	Port/Coastal		Harbour of Crotone	39° 5' 21" N	17° 7' 44" E	The Ministry of the Ecological Transition
Coastal supply vessel	No	Yes	1	Port/Coastal	Suitable for coastal shipping with a minimum speed of 10 knots, have	Harbour of Gallipoli	40° 3' 29" N	17° 58' 47" E	(Tel: +39 06 57 22 34 26/27/65/66/67;
Coastal supply vessel	No	Yes	1	Port/Coastal	technical and mechanical equipment, which will permit recovery of	Harbour of Otranto	40° 8'51" N	18°29'42" E	Cell:+39 366 96 15 312 - +39 331 63 80 851 -
Coastal supply vessel	No	Yes	1	Port/Coastal	hydrocarbons, solid materials and carcasses, chemical attack of pollutants, and fire and	Harbour of Vasto	42° 10' 32" N	14° 42' 36" E	+39 335 81 50 659; E-mail: coimar@mite.gov.it
Coastal supply vessel	No	Yes	1	Port/Coastal	rescue. The ability to recoil (storage of oil) is over 80	Harbour of San Benedetto del Tronto	42° 57' 22" N	13° 53' 22" E	Cresca.Roberto@mite.gov.it, Chieruzzi.Tiziana@mite.gov.it,
Coastal supply vessel	No	Yes	1	Port/Coastal	cubic meters. The quantity of dispersant available on board is 100 l.	Harbour of Ravenna	44° 29' 36" N	12° 17' 48" E	Calzolari.Francesco@mite. gov.it,
Coastal supply vessel	No	Yes	1	Port/Coastal		Harbour of Chioggia	45° 13' 40" N	12° 16' 46" E	repartoambientalemarino@ mite.gov.it
Coastal supply vessel	No	Yes	1	Port/Coastal		Harbour of Cagliari	39° 12' 16" N	9° 6' 52" E	
Coastal supply vessel	No	Yes	1	Port/Coastal		Harbour of Arbatax	39° 56' 22" N	9° 42' 13" E	



Vessel application - Dipersant spraying equipment (cont.)

	OWNER			OPERATIONS PORT/			LOCATION		
EQUIPMENT	GOVERNMENT	PRIVATE	QUANTITY	COASTAL/ OFFSHORE	CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	CONTACT POINT
Coastal supply vessel	No	Yes	1	Port/Coastal	Suitable for coastal shipping with a minimum speed of 10 knots, have technical and mechanical equipment, which will permit recovery of hydrocarbons, solid materials and carcasses,	Harbour of Oristano	39° 51' 48" N	8° 33' 36" E	The Ministry of the Ecological Transition (Tel: +39 06 57 22 34 26/27/65/66/67;
Coastal supply vessel	No	Yes	1	Port/Coastal	chemical attack of pollutants, and fire and rescue. The ability to recoil (storage of oil) is over 80 cubic meters. The quantity of dispersant available on board is 100 l.	Harbour of Porto Torres	40° 50' 50" N	8° 23' 5" E	Cell:+39 366 96 15 312 - +39 331 63 80 851 - +39 335 81 50 659; E-mail: coimar@mite.gov.it Cresca.Roberto@mite.gov.it, Chieruzzi.Tiziana@mite.gov.it, Calzolari.Francesco@mite.
Spraying equipment (dispersant spraying equipment)	No	Yes	35	Port/Coastal/ Offshore	-	On coastal and deep-sea supply vessels	-	-	gov.it, repartoambientalemarino@ mite.gov.it

Vessel application - Dipersant spraying equipment (cont.)

	OWNER			OPERATIONS PORT/			LOCATION		
EQUIPMENT	GOVERNMENT	PRIVATE	QUANTITY	COASTAL/ OFFSHORE	CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	CONTACT POINT
Italian Coast Guard vessel "Class 900"	Yes	No	4	Coastal/ Offshore	They are designed for offshore patrolling and normally used for Search And Rescue operations by the Italian Coast Guard. These vessels are equipped for the antipollution (oil recovery, booms and dispersant spraying equipments). Every units have two inflatable boats for containement operations. The maximum speed is 32 knots and they have an autonomy of about 1800 NM (at 16 knots)	Harbour of Messina	38° 11' 37'' N	15° 33' 48" E	The Ministry of the Ecological Transition (Tel: +39 06 57 22 34 26/27/65/66/67; Cell:+39 366 96 15 312 - +39 331 63 80 851 - +39 335 81 50 659; E-mail: coimar@mite.gov.it Cresca.Roberto@mite.gov.it, Chieruzzi.Tiziana@mite.gov.it, Calzolari.Francesco@mite. gov.it, repartoambientalemarino@ mite.gov.it



Vessel application - Dipersant spraying equipment (cont.)

	OWNE	R		OPERATIONS PORT/			LOCATION		
EQUIPMENT	GOVERNMENT	PRIVATE	QUANTITY	COASTAL/ OFFSHORE	CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	CONTACT POINT
Italian Navy vessel "Constellation class"	Yes	No	4	Coastal/ Offshore	They are designed for offshore patrolling and normally used for illegal immigration control, Search And Rescue and technical assistance by the Italian Navy. These vessels are also equipped for the antipollution (oil recovery, oil analysis, booms and dispersant spraying equipments). Every units have two inflatable boats for containement operations. The Italian Navy doesn't have stockpiles of dispersant for now, but the vessels can transport 35 cubic meters of chemical agent. The maximum speed is 22 knots and they have an operational range of about 3500 NM (at 17 knots)	Harbour of Augusta	37° 13' 39" N	15º 12' 50"	The Ministry of the Ecological Transition (Tel: +39 06 57 22 34 26/27/65/66/67; Cell:+39 366 96 15 312 - +39 331 63 80 851 - +39 335 81 50 659; E-mail: coimar@mite.gov.it Cresca.Roberto@mite.gov.it, Chieruzzi.Tiziana@mite.gov.it, Chieruzzi.Tiziana@mite.gov.it, Calzolari.Francesco@mite. gov.it, repartoambientalemarino@ mite.gov.it
Spraying equipment (dispersant spraying equipment)	No	Yes	35	Port/Coastal/ Offshore	-	On coastal and deep-sea supply vessels	-	-	

Vessel application - Dipersant spraying equipment

	OWNER			OPERATIONS PORT/			LOCATION		
EQUIPMENT	GOVERNMENT	PRIVATE	QUANTITY	COASTAL/ OFFSHORE	CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	CONTACT POINT
Italian Coast Guard vessel "Class 900"	Yes	No	4	Coastal/ Offshore	They are designed for offshore patrolling and normally used for Search And Rescue operations by the Italian Coast Guard. These vessels are equipped for the antipollution (oil recovery, booms and dispersant spraying equipments). Every units have two inflatable boats for containement operations. The maximum speed is 32 knots and they have an autonomy of about 1800 NM (at 16 knots)	Harbour of Messina	37° 13' 39" N	15° 12' 50"	The Ministry of the Ecological Transition(Tel: +39 06 57 22 34 26/27/65/66/67;Cell:+39 366 96 15 312 - +39 331 63 80 851 - +39 335 81 50 659;E-mail: coimar@mite.gov.itCresca.Roberto@mite.gov.it, Chieruzzi.Tiziana@mite.gov.it,Calzolari.Francesco@mite. gov.it,repartoambientalemarino@ mite.gov.it



Vessel application - Dipersant spraying equipment

	OWNE	R		OPERATIONS PORT/			LOCATION		
EQUIPMENT	GOVERNMENT	PRIVATE	QUANTITY	COASTAL/ OFFSHORE	CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	CONTACT POINT
Italian Navy vessel "Constellation class"	Yes	No	4	Coastal/ Offshore	They are designed for offshore patrolling and normally used for illegal immigration control, Search And Rescue and technical assistance by the Italian Navy. These vessels are also equipped for the antipollution (oil recovery, oil analysis, booms and dispersant spraying equipments). Every units have two inflatable boats for containement operations. The Italian Navy doesn't have stockpiles of dispersant for now, but the vessels can transport 35 cubic meters of chemical agent. The maximum speed is 22 knots and they have an operational range of about 3500 NM (at 17 knots)	Harbour of Augusta	37º 13' 39" N	15° 12' 50"	The Ministry of the Ecological Transition (Tel: +39 06 57 22 34 26/27/65/66/67; Cell:+39 366 96 15 312 - +39 331 63 80 851 - +39 335 81 50 659; E-mail: coimar@mite.gov.it Cresca.Roberto@mite.gov.it, Chieruzzi.Tiziana@mite.gov.it, Chieruzzi.Tiziana@mite.gov.it, Calzolari.Francesco@mite. gov.it, repartoambientalemarino@ mite.gov.it

Aircraft application - Dipersant spraying equipment

	OWNE	R				LOCATION			
EQUIPMENT	GOVERNMENT	PRIVATE	QUANTITY	CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	CONTACT POINT	COMMENTS
Aircraft "Bombardier" CL-415	Yes	No	3	The Bombardier 415 is amphibious aircraft of firefighting missions .Under wings it's possible to instal, in 3 days, "spray kit" used to spray Oil dispersant from booms installed under wings Normal Cruise Speed Aircraft 180 KTAS ,Long-range Cruise Speed 140 KTAS, Range 2450 km. Oil Dispersant payload 2500 kg Oil Dispersant certificate; CORETIX 9527 (EC9527) EXXON, Chimsperse 2000 Chimec, Sea Power Global S.N.C. Operating Limitations with spray kit installed: •Maximum operating pressure altitude: 10,000 feet •Minimum operating temperature: 5°C •Maximum operating limit speed (VMO): 168 (KIAS) 170 (KCAS) It underlines that it is possible use only authorized disperdents and only after authorization of Ministry of Environment.	Airport of Ciampino "LIRA"	41°47 '55 * N	12° 35 '42 * E	The Ministry of interior (Tel: +39 06 46521; Cell:+39 3346765724 - E-mail: pippo. mistretta@vigilfuoco. it, marco.ghimenti@ vigilfuoco.it,carlo. metelli@vigilfuoco.it	Not usable from the june from the september during forest fire season

DISPERSANTS STOCKPILES

PRODUCT NAME		QUANTITY	OWNER	!		LOCATION					
OR EQUIPMENT	TYPE	IN TONNES	GOVERNMENT	PRIVATE	DESCRIPTION	LATITUDE	LONGITUDE	CHECKS	CONTACT POINT	COMMENTS	ТҮРЕ
CLEANING ECO 83	Dispersant	120,3	Yes	-	Messina (on Coast Guard patrol vessels squadroon)	38° 11' 37" N	15° 33' 48" E	-		-	-
CLEANING ECO 87	Dispersant	0,8	-	Yes	Genoa	44° 24' 24" N	8° 54' 36" E	-		-	-
CLEANING ECO 87	Dispersant	0,8	-	Yes	Naples	40° 52' 13" N	14° 24' 51" E	-		-	-
CLEANING ECO 87	Dispersant	2	-	Yes	Civitavecchia	42° 6'35" N	11º 46' 30" E	-		-	-
CLEANING ECO 87	Dispersant	0,8	-	Yes	Messina	38° 11' 25" N	15° 34' 9" E	-	The Minister Cour	-	-
CLEANING ECO 87	Dispersant	0,8	-	Yes	Cagliari	39° 15' 53" N	9° 4' 32" E	-	The Ministry for Environment and Territory and Sea	-	-
CLEANING ECO 87	Dispersant	0,8	-	Yes	Bari	41° 6' 20" N	16° 47' 24" E	-		-	-
CLEANING ECO 87	Dispersant	0,8	-	Yes	Ravenna	44° 28' 23" N	12º 16' 18" E	-		-	-
CLEANING ECO 87	Dispersant	3,5	-	Yes	On deep-sea and coastal vessels of Castalia	-	-	-		-	-
CHIMSPERSE 4000	Dispersant	0,6	-	Yes	On deep-sea and coastal vessels of Castalia	-	-	-		-	-

TOXICITY TEST

ANALYTICAL METHOD	ORGANISM	ORGANISM'S CHARACTERISTICS	CONCENTRATION OF DISPERSANT/APPLICATION RATE	PERIOD OF EXPOSURE	CRITERIA	COMMENTS
UNI EN ISO 10253:2006	Skeletonema costatum, Phaeodactylum tricornutum	Crustacean	the stock solution of 1000 mg/L dispersant is prepared in sea water. The test concentrations of dispersant varies for every product.	72Н	EC50 > 10mg/l	for detailed informations see National Decree Law 25/02/2011 as amended
UNICHIM MU 2365 (2010)	Acartia tonsa	Crustacean	the stock solution of 1000 mg/L dispersant is prepared in sea water. The test concentrations of dispersant varies for every product.	48H	EC50 > 10mg/l	for detailed informations see National Decree Law 25/02/2011 as amended -only one test on Crustacean is required
APAT-IRSA- CNR 8060 (2003)	Artemia franciscana	Crustacean	the stock solution of 1000 mg/L dispersant is prepared in sea water. The test concentrations of dispersant varies for every product.	96H	EC50 > 10mg/l	for detailed informations see National Decree Law 25/02/2011 as amended -only one test on Crustacean is required
APAT-IRSA- CNR 8060 (2003)	Amphibalanus amphitrite	Crustacean	the stock solution of 1000 mg/L dispersant is prepared in sea water. The test concentrations of dispersant varies for every product.	48H	EC50 > 10mg/l	-for detailed informations see National Decree Law 25/02/2011 as amended -only one test on Crustacean is required
UNICHIM MU 2396 (2010)	Corophium orientale	Crustacean	the stock solution of 1000 mg/L dispersant is prepared in sea water. The test concentrations of dispersant varies for every product.	96h	EC50 > 10mg/l	for detailed informations see National Decree Law 25/02/2011 as amended -only one test on Crustacean is required

TOXICITY TEST (CONT.)

UNICHIM MU 2245 (2010)	Tigriopus fulvus	Crustacean	the stock solution of 1000 mg/L dispersant is prepared in sea water. The test concentrations of dispersant varies for every product.	96h	EC50 > 10mg/l	-for detailed informations see National Decree Law 25/02/2011 as amended -only one test on Crustacean is required
OECD n. 307 (17 July 1992) (with modifications)	Dicentrarchus Iabrax, Sparus aurata	Fishes	the stock solution of 1000 mg/L dispersant is prepared in sea water. The test concentrations of dispersant varies for every product.	96h	EC50 > 10mg/l	for detailed informations see National Decree Law 25/02/2011 as amended

SUMMARY

DISPERSANT USE ALLOWED	AUTHORISATION PRIOR TO USE	CONNECTION TO CONTIGENCY PLAN	PREVIOUS EXPERIENCE WITH DISPERSANT USE	DISPERSANT TESTING	PRODUCT APPROVAL PROCEDURE & LIST OF APPROVED DISPERSANTS	DISPERSANT APPLICATION CAPABILITY	DISPERSANT STOCKPILES	TRAINING AND EXCERCISES	COMMENTS
Yes, as a last response option	Yes, from the Ministry of the Ecological Transition	Yes	No	Yes	Yes	Shipboard: yes Aerial: yes	Yes, approx. 126000 L	Yes	The use of dispersants must be preventively assessed and it is subject to the prior evaluation of the Ministry of the Ecological Transition-

European Maritime Safety Agency



National policies on the usage of oil spill dispersants in the EU Member States





I. USAGE OF OIL SPILL DISPERSANTS

Competent national authorities responsible for oil pollution at sea icluding the use of dispersants	Usage of oil spill dispersants	Potential changes in current dispersant policy	National Contigency Plan (NCP)
State Environmental Service under the Ministry of Environmental Protection and Regional Development is the coordinating authority for implementation of the National Oil and HNS Contingency Plan. Latvian Naval Forces is the executive authority for dealing with oil/ chemical pollution response at sea	Use of dispersants is generally prohibited, but individual permission can be issued by State Envirnmental Service for a single application use	No changes in current dispersant policy is considered. At regional level, Latvia is following the discussions that are being undertaken within the framework of the Helsinki Commission regarding new opportunities for the usage of dispersants in the Baltic Sea	Procedure of granting permission for dispersant use is clearly described in the National Oil and HNS Contingency Plan

2. DISPERSANT TESTING AND APPROVAL

Product testing and approval scheme

	EFFICACY TEST		TOXICITY TEST			BIODEGRADABILITY TEST			
Yes/No	Yes/No	Analytical Method	Selection Criteria	Yes/No	Analytical Method	Selection Criteria	Yes/No	Analytical Method	Selection Criteria
No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Product testing and approval scheme (cont.)

	OTHER				LIST OF APPROVED DISPERSANTS		
Yes/No	Analytical Method	Selection Criteria	Laboratories that perform dispersant testing	Competent authority for dispersants approval	Yes/No (If Yes please see Approved dispersant sheet)	Competent authority for publishing and frequency of revision	
No	N/A	N/A	Laboratory of State Ltd. "Latvian Environment, Geology and Meteorology Centre" may carry out testing of hazards to human health. Latvian Institute of Aquatic Ecology may carry out toxicity testing	No competent authority has been appointed	No	None	

3. RESPONSE STRATEGY

AUTHO	RISATION REQUIRED PRIOR TO DISPERSANT USE						
Yes/No	Authority which grants mission for dispersant use authorisation/per mission for dispersant use	Specific circumstances to use dispersants (geographical restrictions, etc.)	Used as a 1 st reponse option	Used as a 2 nd reponse option	Used as a last resort	Not used at all	Previous experience with dispersants
Yes	State Environmental Service	The use of dispersants may be considered as a last resort response option to an oil spill when mechanical recovery is impossible and sensitive ecological resources are at risk. Dispersants use is decided on case-by-case basis by State Environmental Service.	No	No	Yes	No	No

4. DISPERSANT APPLICATION EQUIPMENT AND STOCKPILES

AVAILABLE RESOURCES OF SPRAYING EQUIPMENT	AVAILABLE STOCKPILES (IF YES PLEASE SEE DISPERSANT STOCKPLILE SHEET)					
(IF YES PLEASE SEE DISPERSANT SPRAYING SHEET)	Yes/no	Testing/ restesting requirements for dispersants in stockpiles				
Yes	2000 litres of dispersant concentrate Dasic Slickgone NS	Retesting of validity period				

5. TRAINING AND EXERCICES

REGULAR EXERCICES AND TRAINING PROGRAMMES								
Νο								

6. RESOURCES AVAILABLE TO OTHERS MS IN CASE OF REQUEST FOR ASSISTANCE

DISPERSANT APPLICATION EQUIPMANT ONLY	DISPERSANT APPLICATION EQUIPMANT WITH TRAINED PERSONNEL	DISPERSANTS	PERSONNEL WITH DISPAERSANT USAGE EXPERTISE	AERIAL SURVEILLANCE	OTHER (PLEASE SPECIFY)	
One dispersant spray unit for a vessel of opportunity (2 jibs, 10kW powerpack)	No	2000 litres of dispersant concentrate Dasic Slickgone NS	No	No	No	

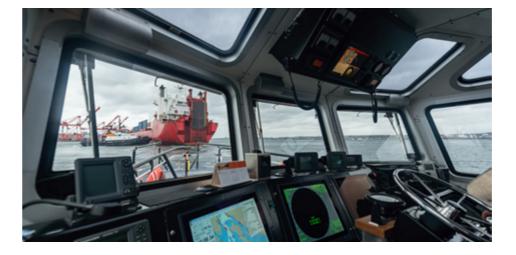
COMMENTS

APPROVED DISPERSANTS

Dispersants approved for use

PRODUCT NAME	ТҮРЕ	COMPANY	COMMENTS
-	-	-	-

-





DISPERSANTS APPLICATION CAPABILITY

Vessel application - Dipersant spraying equipment

	OWNE	R		OPERATIONS	PORT/		LOCATION			
EQUIPMENT	GOVERNMENT	PRIVATE	QUANTITY	COASTAL/ OFFSHORE	CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	CONTACT POINT	COMMENTS
Oil response barge JL-1	Latvian Naval Forces		1	Offshore	Barge able to operate one dispersant spray unit (2 jibs, 10kW powerpack)	Port of Riga	56° 58'N	24°05' E	MRCC Riga	Non-propelled barge

Aircraft application - Dipersant spraying equipment

	OWN	ER			I	LOCATION		CONTACT		
EQUIPMENT	GOVERNMENT	PRIVATE	QUANTITY	CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	POINT	COMMENTS	
-	-	-	-	-	-	-	-	-	-	

DISPERSANTS STOCKPILES

PRODUCT NAME			OWNER			LOCATION					
OR EQUIPMENT	TYPE	QUANTITY	GOVERNMENT	PRIVATE	DESCRIPTION	LATITUDE	LONGITUDE	CHECKS	CONTACT POINT	COMMENTS	TYPE
Dasic Slickgone NS	2/3	2 tonnes	Latvian Naval Forces		Port of Riga	56° 58'N	24°05' E	Validity period	MRCC Riga +371 67323103	-	-

TOXICITY TEST

ANALYTICAL METHOD	ORGANISM	ORGANISM'S CHARACTERISTICS	CONCENTRATION OF DISPERSANT/APPLICATION RATE	PERIOD OF EXPOSURE	CRITERIA	COMMENTS
-	-	-	-	-	-	-

SUMMARY

DISPERSANT USE ALLOWED	AUTHORISATION PRIOR TO USE	CONNECTION TO CONTIGENCY PLAN	PREVIOUS EXPERIENCE WITH DISPERSANT USE	DISPERSANT TESTING	PRODUCT APPROVAL PROCEDURE & LIST OF APPROVED DISPERSANTS	DISPERSANT APPLICATION CAPABILITY	DISPERSANT STOCKPILES	TRAINING AND EXCERCISES	COMMENTS
Yes, as a last response option	Yes, from State Environmental Service	Yes	No	No	No	Shipboard: Yes Aerial: No	Yes, approx. 2 tonnes	No	-

LITHUANIA

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National policies on the usage of oil spill dispersants in the EU Member States

Lithuania





I. USAGE OF OIL SPILL DISPERSANTS

Competent national authorities responsible for oil pollution at sea icluding the use of dispersants	Usage of oil spill dispersants	Potential changes in current dispersant policy	National Contigency Plan (NCP)
The authority with overall responsibility for oil pollution response at sea is the Lithuanian Naval Force of Ministry of National defence.	Yes, restrictively.	No	The use of dispersants is described in the Lithuanian National Contingency Plan. According to the NCP the use of dispersants is allowed if permission is granted by the Environmental Protection Department under the Ministry of Environment. Dispersant use is allowed as a last response option when mechanical recovery is not possible to use.

2. DISPERSANT TESTING AND APPROVAL

Product testing and approval scheme

		EFFICACY TE	ѕт		TOXICITY TE	ST	BIO	DEGRADABILI	TY TEST
Yes/No	Yes/No	Analytical Method	Selection Criteria	Yes/No	Analytical Method	Selection Criteria	Yes/No	Analytical Method	Selection Criteria
No standard dispersant approval scheme is in place in Lithuania. The procedure which is usually followed is that the company selling the dispersant has to provide the Environmental Protection Department under the Ministry of Environment with the exact description of the product, including a sanitary certificate, a safety data sheet of the product and other relevant information, against which the decision on the dispersant approval is made on a case by case basis. Laboratory testing of dispersants is not being performed in Lithuania, which uses relevant information on laboratory dispersant testing performed in other countries.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Product testing and approval scheme (cont.)

	OTHER				LIST OF APPROVED DISPERSANTS				
Yes/No	Analytical Method	Selection Criteria	Laboratories that perform dispersant testing	Competent authority for dispersants approval	Yes/No (If Yes please see Approved dispersant sheet)	Competent authority for publishing and frequency of revision			
N/A	N/A	N/A	N/A	The Environmental Protection Department under the Ministry of Environment.	No list of approved dispersants exists in Lithuania.	N/A			

3. RESPONSE STRATEGY

AUTHO	RISATION REQUIRED PRIOR TO DISPERSANT USE			ARE DISPERSANTS:				
Yes/No	Authority which grants mission for dispersant use authorisation/per mission for dispersant use	Specific circumstances to use dispersants (geographical restrictions, etc.)	Used as a 1st reponse option	Used as a 2 nd reponse option	Used as a last resort	Not used at all	Previous experience with dispersants	
Yes	The Environmental Protection Department of the Ministry of Environment.	Due to the sensitive ecology of the Baltic sea, it has been internationally agreed in the Helsinki Convention that the oil combating policy of Baltic Sea countries is based on the mechanical recovery of oil. The Helsinki Convention allows the use of chemicals only with very strict limitations.	No	No	Yes	No	No (in the past 10 years)	

4. DISPERSANT APPLICATION EQUIPMENT AND STOCKPILES

AVAILABLE RESOURCES OF SPRAYING EQUIPMENT		AVAILABLE STOCKPILES (IF YES PLEASE SEE DISPERSANT STOCKPLILE SHEET)
(IF YES PLEASE SEE DISPERSANT SPRAYING SHEET)	Yes/no	Testing/ restesting requirements for dispersants in stockpiles
Limited dispersant stockpiles are available at the Klaipeda State Seaport Authority and Butinge offshore oil terminal	Yes	No specific requirements are in place for checking the existing stockpiles, which are being checked together with the other oil pollution response equipment

5. TRAINING AND EXERCICES

REGULAR EXERCICES AND TRAINING PROGRAMMES

Lithuanian Naval Force and Butinge offshore oil terminal hold annual exercises. Lithuanian Naval Force vessel SAKIAI participates in annual international exercises BALEX DELTA. Lithuanian Naval Force organized BALEX DELTA exercise in 2010, 2016

6. RESOURCES AVAILABLE TO OTHERS MS IN CASE OF REQUEST FOR ASSISTANCE

DISPERSANT APPLICATION EQUIPMANT ONLY	DISPERSANT APPLICATION EQUIPMANT WITH TRAINED PERSONNEL	DISPERSANTS	PERSONNEL WITH DISPAERSANT USAGE EXPERTISE	AERIAL SURVEILLANCE	OTHER (PLEASE SPECIFY)
No	No	No	No	No	No

COMMENTS

APPROVED DISPERSANTS

Dispersants approved for use

PRODUCT NAME	ТҮРЕ	COMPANY	COMMENTS
-	-	-	-

-





DISPERSANTS APPLICATION CAPABILITY

Vessel application - Dipersant spraying equipment

	OWNE	R			POPT/		LOCATION			
EQUIPMENT	GOVERNMENT	PRIVATE	QUANTITY	COASTAL/ OFFSHORE	CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	CONTACT POINT	COMMENTS
Portable dispersant spray system with nozzles	-	Butinge offshore oil terminal	1	Offshore	BOATSPRAY 100-TS system with AFEDO TM nozzles	Tug SL TENGIZ	56° 02' 47" N	20° 57' 36" E	Butinge offshore oil terminal	-
Portable spray system	SE Klaipeda State Seaport Authority	-	1	Port	2 x 10 L capacity sprayers	-	55o 39'52"N	21 09'01"E	SE Klaipeda State seaport Authority	-

Aircraft application - Dipersant spraying equipment

	OWNI	ER		OPERATIONS PORT/	PORT/		LOCATION	CONTACT		
EQUIPMENT	GOVERNMENT	PRIVATE	QUANTITY	COASTAL/ OFFSHORE	CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	POINT	COMMENTS
-	-	-	-	-	-	-	-	-	-	-

DISPERSANTS STOCKPILES

PRODUCT NAME		QUANTITY	OWNE	R	I	LOCATION			CONTACT			
OR EQUIPMENT	TYPE	IN TONNES	GOVERNMENT	PRIVATE	DESCRIPTION	LATITUDE	LONGITUDE	CHECKS	POINT	COMMENTS	ТҮРЕ	
Crystal Simple Green	Туре 2	0.2	-	Butinge offshore oil terminal	Tug sl tengiz	56° 02' 47" N	20° 57' 36" E	-	-	-	-	
Challenge All	Type 2	0.5	Government reserve	-	SE Klaipeda State Seaport Authority	55° 39' 52" N	21° 09' 01" E	-	-	-	-	
Aquoquick 2000	Type 2	0.1	SE Klaipeda State Seaport Authority	-	SE Klaipeda State Seaport Authority	55° 39' 52" N	21º 09' 01" E	-	-	-	-	

TOXICITY TEST

ANALYTICAL METHOD	ORGANISM	ORGANISM'S CHARACTERISTICS	CONCENTRATION OF DISPERSANT/APPLICATION RATE	PERIOD OF EXPOSURE	CRITERIA	COMMENTS
-	-	-	-	-	-	-

SUMMARY

DISPERSANT USE ALLOWED	AUTHORISATION PRIOR TO USE	CONNECTION TO CONTIGENCY PLAN	PREVIOUS EXPERIENCE WITH DISPERSANT USE	DISPERSANT TESTING	PRODUCT APPROVAL PROCEDURE & LIST OF APPROVED DISPERSANTS	DISPERSANT APPLICATION CAPABILITY	DISPERSANT STOCKPILES	TRAINING AND EXCERCISES	COMMENTS
Yes, as a last response option	Yes, from the Environmental Protection Department under the Ministry of Environment	Yes	No (in the past 10 years)	No	No	Shipboard: Yes Aerial: No	Yes, approx. 800 L	Yes	-





National policies on the usage of oil spill dispersants in the EU Member States





I. USAGE OF OIL SPILL DISPERSANTS

Competent national authorities responsible for oil pollution at sea icluding the use of dispersants	Usage of oil spill dispersants	Potential changes in current dispersant policy	National Contigency Plan (NCP)
Authority for Transport in Malta (Use of dispersant to be authorised by the Malta Environment and Planning Authority)	Yes, as a secondary response option.	Yes	Yes. The use of dispersants is addressed in Malta's National Contingency Plan.

2. DISPERSANT TESTING AND APPROVAL

Product testing and approval scheme

	EFFICACY TEST			TOXICITY TEST			BIODEGRADABILITY TEST		
Yes/No	Yes/No	Analytical Method	Selection Criteria	Yes/No	Analytical Method	Selection Criteria	Yes/No	Analytical Method	Selection Criteria
No	No	-	-	No	-	-	No	-	-

	OTHER				LIST OF APPROVED DISPERSANTS				
Yes/No	Analytical Method	Selection Criteria	Laboratories that perform dispersant testing	Competent authority for dispersants approval	Yes/No (If Yes please see Approved dispersant sheet)	Competent authority for publishing and frequency of revision			
No	-	-	Currently none	The Malta Environment and Planning Authority (MEPA)	None	-			

3. RESPONSE STRATEGY

AUTHO	RISATION REQUIRED PRIOR TO DISPERSANT USE							
Yes/No	Authority which grants mission for dispersant use authorisation/per mission for dispersant use	Specific circumstances to use dispersants (geographical restrictions, etc.)	Used as a 1 st reponse option	Used as a 2 nd reponse option	Used as a last resort	Not used at all	Previous experience with dispersants	
Yes	The Environment and Resources Authority (ERA)	Malta's dispersant policy is currently outdated. As such, ERA are currently drafting a new dispersant policy. Until such policy is approved, decisions on the use of Dispersants is taken on a case by case basis.	No	Yes	No	No	No	

4. DISPERSANT APPLICATION EQUIPMENT AND STOCKPILES

AVAILABLE RESOURCES OF SPRAYING EQUIPMENT	AVAILABLE STOCKPILES (IF YES PLEASE SEE DISPERSANT STOCKPLILE SHEET)						
(IF YES PLEASE SEE DISPERSANT SPRAYING SHEET)	Yes/no	Testing/ restesting requirements for dispersants in stockpiles					
No	No	-					

5. TRAINING AND EXERCICES



6. RESOURCES AVAILABLE TO OTHERS MS IN CASE OF REQUEST FOR ASSISTANCE

DISPERSANT APPLICATION EQUIPMANT ONLY	DISPERSANT APPLICATION EQUIPMANT WITH TRAINED PERSONNEL	DISPERSANTS	PERSONNEL WITH DISPAERSANT USAGE EXPERTISE	AERIAL SURVEILLANCE	OTHER (PLEASE SPECIFY)
-	-	-	-	-	-

COMMENTS

Malta has never made use of dispersants to combat oil pollution at National Level.

APPROVED DISPERSANTS

Dispersants approved for use

PRODUCT NAME	ТҮРЕ	COMPANY	COMMENTS
-	-	-	-

DISPERSANTS APPLICATION CAPABILITY

Vessel application - Dipersant spraying equipment

	OWNE	R		OPERATIONS PORT/		LOCATION				
EQUIPMENT	GOVERNMENT	PRIVATE	QUANTITY	COASTAL/ OFFSHORE	CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	CONTACT POINT	COMMENTS
-	-	-	-	-	-	-	-	-	-	-

Aircraft application - Dipersant spraying equipment

	OWNER					LOCATION		CONTACT		
EQUIPMENT	GOVERNMENT	PRIVATE	QUANTITY	CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	POINT	COMMENTS	
-	-	-	-	-	-	-	-	-	-	

DISPERSANTS STOCKPILES

PRODUCT NAME			OWNER			LOCATION			CONTACT		
OR EQUIPMENT	TYPE	QUANTITY	GOVVERNMENT	PRIVATE	DESCRIPTION	LATITUDE	LONGITUDE	CHECKS	POINT	COMMENTS	TYPE
-	-	-	-	-	-	-	-	-	-	Malta will be planning to stock dispersant stockpiles once the new dispersant policy is approved.	-

TOXICITY TEST

ANALYTICAL METHOD	ORGANISM	ORGANISM'S CHARACTERISTICS	CONCENTRATION OF DISPERSANT/APPLICATION RATE	PERIOD OF EXPOSURE	CRITERIA	COMMENTS
-	-	-	-	-	-	-

SUMMARY

DISPERSANT USE ALLOWED	AUTHORISATION PRIOR TO USE	CONNECTION TO CONTIGENCY PLAN	PREVIOUS EXPERIENCE WITH DISPERSANT USE	DISPERSANT TESTING	PRODUCT APPROVAL PROCEDURE & LIST OF APPROVED DISPERSANTS	DISPERSANT APPLICATION CAPABILITY	DISPERSANT STOCKPILES	TRAINING AND EXCERCISES	COMMENTS
Yes, as a secondary response option	Yes	Yes	No	No	No	No	No	No	-





THE NETHERLANDS

National policies on the usage of oil spill dispersants in the EU Member States

The Netherlands



22



I. USAGE OF OIL SPILL DISPERSANTS

Competent national authorities responsible for oil pollution at sea icluding the use of dispersants	Usage of oil spill dispersants	Potential changes in current dispersant policy	National Contigency Plan (NCP)
The authority with overall responsibility for oil pollution response at sea is the Netherlands Coast Guard Centre assisted by RWS Noordzee.	The Netherlands have reviewed their policy in the recent Capacity Note. The use of dispersants is allowed and a decision tree (flowchart) is available	No change in the national policy regarding dispersant usage is currently being considered	Yes. The use of dispersants is clearly described in Netherlands's National Contingency Plan

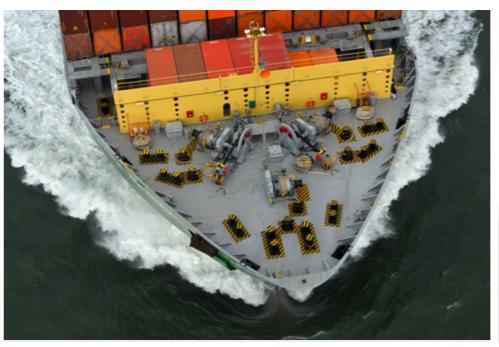
2. DISPERSANT TESTING AND APPROVAL

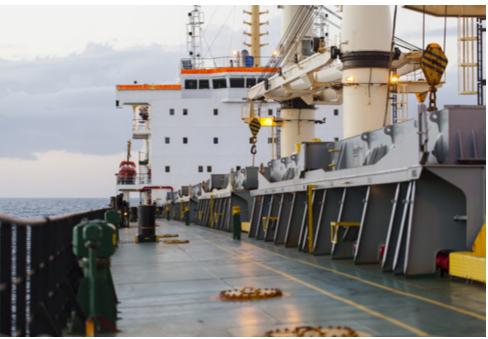
Product testing and approval scheme

	EFFICACY TEST			TOXICITY TEST			BIODEGRADABILITY TEST		
Yes/No	Yes/No	Analytical Method	Selection Criteria	Yes/No	Analytical Method	Selection Criteria	Yes/No	Analytical Method	Selection Criteria
Under the BONN AGREEMENT The Netherlands will call in UK - MCA arrangements for dispersant spraying. The Netherlands is studying alternatives. NL doesn't have dispersants in stock and thus has to rely on product available in UK.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Product testing and approval scheme (cont.)

	OTHER				LIST OF APPROVED D	ISPERSANTS
Yes/No	Analytical Method	Selection Criteria	Laboratories that perform dispersant testing	Competent authority for dispersants approval	Yes/No (If Yes please see Approved dispersant sheet)	Competent authority for publishing and frequency of revision
N/A	N/A	N/A	UK testing/ approval procedures will be applicable for NL waters	The Netherlands RWS WaterDienst will follow the procedures applicable in UK and agreements in EMSA/CTG. Although NL relies on UK procedures it is the responsibility of RWS to approve application in NL waters. See BONN arrangements	The list of approval included in the Bonn Agreeement Manual.	N/A





3. RESPONSE STRATEGY

AUTHORISATION F	REQUIRED PRIOR TO DISPERSANT USE			ARE DISPER	SANTS:		
Yes/No	Authority which grants mission for dispersant use authorisation/per mission for dispersant use	Specific circumstances to use dispersants (geographical restrictions, etc.)	Used as a 1 st reponse option	Used as a 2 nd reponse option	Used as a last resort	Not used at all	Previous experience with dispersants
A test run will be made to study the effectiveness by the Netherlands RWS Water Dienst that will follow the procedures applicable in the UK and agreements in EMSA/ CTG	The RWS - Zee and Delta (North Sea), Netherlands Coast Guard Centre.	 Depending on the type and quantity of the oil slick, a response plan will be made considering the best response mean. If applicable then the following conditions should be met: oil volume > 300 m3; layer thickness 50-200micrometers and water depth > 20 m oil volume < 200 m3; layer thickness 50-200 micrometers and water depth > 5 m. No operational limitations exist when: sufficient visibility (with regard to spray aircraft) oil is one slick or more then one big slicks layer thickness is over 50 micrometers viscosity is < 5000 cSt wind force between 3 and 7 Bftx Ecological sensitive situations and areas have been identified. (Information in accordance with Bonn Agreement website). 	No	Yes	No	No	Only for testing purposes. Ref. RWS- NIOZ oil on water trials in September 2009.

4. DISPERSANT APPLICATION EQUIPMENT AND STOCKPILES

AVAILABLE RESOURCES OF SPRAYING EQUIPMENT (IF YES PLEASE SEE	AVAILABLE STOCKPILES (IF YES PLEASE SEE DISPERSANT STOCKPLILE SHEET)						
DISPERSANT SPRAYING SHEET)	Yes/no	Testing/ restesting requirements for dispersants in stockpiles					
See next: Available stockpiles	Netherlands has not the intention to stock dispersants and would seek assistance from UK since they have both the dispersants and the spraying aircraft	No					

5. TRAINING AND EXERCICES

REGULAR EXERCICES AND TRAINING PROGRAMMES

No, The Netherlands still needs to discuss this with UK.

6. RESOURCES AVAILABLE TO OTHERS MS IN CASE OF REQUEST FOR ASSISTANCE

DISPERSANT APPLICATION EQUIPMANT ONLY	DISPERSANT APPLICATION EQUIPMANT WITH TRAINED PERSONNEL	DISPERSANTS	PERSONNEL WITH DISPAERSANT USAGE EXPERTISE	AERIAL SURVEILLANCE	OTHER (PLEASE SPECIFY)
No	No	No	No	Yes	No

COMMENTS

General Comment: It is perhaps not correct to discriminate in first and second options. A decision on what response means will be deployed depends on a.o. type of oil; volume; distance to sensitive area; sea condition (prevailing and predicted), options then are: do nothing (natural dispersion); mechanical recovery; dispersant spraying. It could be considered to combine response methods. Mechanical recovery for the larger volume (90% of the volume in a limited part of the slick) and apply dispersants on thin oil layer. This last option is valid if wildlife might be affected (migrating birds).

APPROVED DISPERSANTS

Dispersants approved for use

PRODUCT NAME	ТҮРЕ	COMPANY	COMMENTS
-	-	-	-

DISPERSANTS APPLICATION CAPABILITY

Vessel application - Dipersant spraying equipment

	OWNE	R		OPERATIONS PORT/		LOCATION			0010151150	
EQUIPMENT	GOVERNMENT	PRIVATE	QUANTITY	COASTAL/ OFFSHORE	CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	CONTACT POINT	COMMENTS
-	-	-	-	-	-	-	-	-	-	-

Aircraft application - Dipersant spraying equipment

	OWNER				I	LOCATION		CONTACT		
EQUIPMENT	GOVERNMENT	PRIVATE	QUANTITY	CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	POINT	COMMENTS	
-	-	-	-	-	-	-	-	-	-	

DISPERSANTS STOCKPILES

PRODUCT NAME			OWNER	!		LOCATION			CONTACT		
OR EQUIPMENT	TYPE	QUANTITY	GOVERNMENT	PRIVATE	DESCRIPTION	LATITUDE	LONGITUDE	CHECKS	POINT	COMMENTS	TYPE
-	-	-	-	-	-	-	-	-	-	-	-

TOXICITY TEST

ANALYTICAL METHOD	ORGANISM	ORGANISM'S CHARACTERISTICS	CONCENTRATION OF DISPERSANT/APPLICATION RATE	PERIOD OF EXPOSURE	CRITERIA	COMMENTS
-	-	-	-	-	-	-

SUMMARY

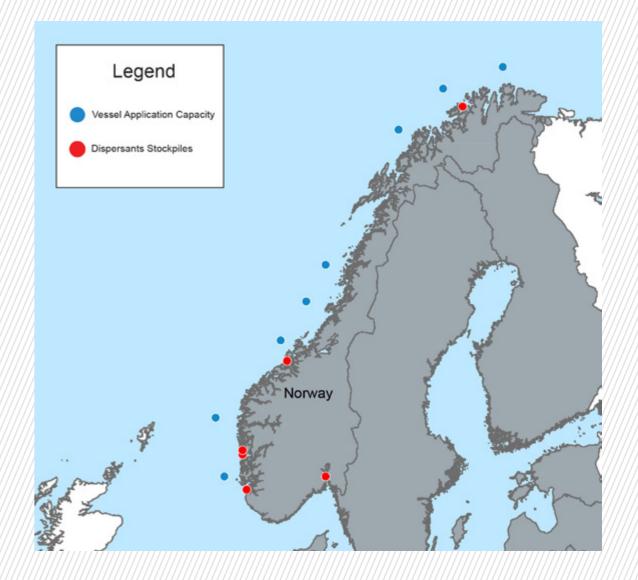
DISPERSANT U ALLOWED	SE AUTHORISATION PRIOR TO USE	CONNECTION TO CONTIGENCY PLAN	PREVIOUS EXPERIENCE WITH DISPERSANT USE	DISPERSANT TESTING	PRODUCT APPROVAL PROCEDURE & LIST OF APPROVED DISPERSANTS	DISPERSANT APPLICATION CAPABILITY	DISPERSANT STOCKPILES	TRAINING AND EXCERCISES	COMMENTS
Yes, as one of the response options		Yes	Yes, only for testing purposes	Bonn and EU co-operation	No / Acceptance of dispersants included in the Bonn Agreement Manual	Shipboard: No Aerial: No	No	No	-





National policies on the usage of oil spill dispersants in the EU Member States





I. USAGE OF OIL SPILL DISPERSANTS

	Competent national authorities responsible for oil pollution at sea icluding the use of dispersants	Usage of oil spill dispersants	Potential changes in current dispersant policy	National Contigency Plan (NCP)
r M C	The authority with overall responsibility for oil pollution esponse at sea is the Norwegian Coastal Authority (NCA). NCA authorises dispersant use in situations where dispersants would be beneficial, but have not been laid but in a contingency plan as part of requirements from the Norwegian Environment Agency	Yes, when such use leads to less environmental damage than other mitigation methods.	The pollution regulation Ch.19 on dispersant testing and use was revised in 2009. NCA is the competent authority when incidents occur. No change in the national policy regarding dispersant usage is currently planned	All companies in charge of oil operations (oil terminals, refineries, offshore oil fields) are obliged to consider and document dispersants as an oil spill response method in their contingency plans; the use of dispersants must be documented as a combat strategy in oil spill contingency plans before an incident occurs. The Norwegian Environment Agency, under the Ministry of Climate and Environment, is responsible for pollution preparedness requirements.

2. DISPERSANT TESTING AND APPROVAL

Product testing and approval scheme

	EFFICACY TEST			TOXICITY TEST			BIODEGRADABILITY TEST		
Yes/No	Yes/No	Analytical Method	Selection Criteria	Yes/No	Analytical Method	Selection Criteria	Yes/No	Analytical Method	Selection Criteria
A dispersant testing scheme is in place in Norway. Dispersants shall undergo algae toxicity and effectiveness testing and only if they pass these tests can they be approved for use.	Yes	1) IPF * / WSL**	No specific limits. The most efficient product is used.	Yes	ISO/ DIS 10253	EC50 > 10 mg/l	No	-	-



Product testing and approval scheme (cont.)

	OTHER				LIST OF APPROVED DISPERSANTS			
Yes/No	Analytical Method	Selection Criteria	Laboratories that perform dispersant testing	Competent authority for dispersants approval	Yes/No (If Yes please see Approved dispersant sheet)	Competent authority for publishing and frequency of revision		
No	-	-	SINTEF in Trondheim performs dispersant testing in Norway.	The Norwegian Environment Agency is in charge of the regulation concerning dispersants. In Norway there is no approval of dispersants, but the requirements of the regulation must be fulfilled before use. The Norwegian Environment Agency and NCA have developed a decision matrix with guidelines in order to clarify framework for the assessments that must be done before dispersants are used. The assessment involves knowledge about: Inatural dispersion Vulnerable natural resources/ sensitive areas depth and distance to shore possible stranding of oil chemical dispersability of the oil spill wind conditions strategy for spraying of dispersants operations in darkness spraying capacity salinity of the water surveillance oil volume > 300 m3; layer thickness 50-200micrometers and water depth > 20 m	No list of approved dispersants exists. The Norwegian Environment Agency and Norwegian Coastal Authority (NCA) have information about dispersants that have passed the selection criteria in the regulation.	Norway has a regulation, decision matrix and guidelines concerning assessments prior to the use of dispersants. Revision will be done when needed, the regulation will be revised in the near future. Requirements in the regulation must be fulfilled and assessment must be done to ensure that: If the use of dispersants is the risk reducing measure that gives the best reduction of environmental impacts compared to mechanical recovery If the operative terms for disperants are fulfilled		

3. RESPONSE STRATEGY

AUTHORISATIC	ON REQUIRED PRIOR TO DISPERSANT USE		ARE DISPERSANTS:				
Yes/No	Authority which grants mission for dispersant use authorisation/ per mission for dispersant use	Specific circumstances to use dispersants (geographical restrictions, etc.)	Used as a 1 st reponse option	Used as a 2 nd reponse option	Used as a last resort	Not used at all	Previous experience with dispersants
Yes, if dispersant use is not included in the discharge permit from Norwegian Environment Agency. No, if dispersant use is included in the discharge permit from Norwegian Environment Agency.	NCA authorises dispersant use in situations where such use would be beneficial, but has not been laid out in a contigency plan according to requirements from the Norwegian Environment Agency in the discharge permit.	Oil spill dispersants are used in Norway when it can be demonstrated that they provide environmental results preferable to mechanical recovery. E.g., dispersants should be used where water exchange is good. In addition, natural resources such as spawning areas and birds in the area are very important factors in the assessment. Documentation made by Norwegian Environment Agency and NCA specifies framework and criteria that need to be assessed before use. See Competent authority for dispersants approval. Information concerning those criteria leads to the conclusion on use/non-use of dispersants.	The best metod, which could be mechanical recovery or use of dispersants, to combat a spill should be used after an overall assessment. The assessment includes environmental impacts of a spill.	Yes, if environmental risk and oil spill preparedness assessment according to the decision matrix with guidelines shows that dispersion gives less environmental damage after an oil spill than mechanical recovery	No	No	Yes, oil spill dispersants have been used in Norway in two incidents, one in 2006 and one in 2010 (minor incident). Dispersants have been used in tests of dispersant equipment on a planned release on sea, in tests where oil was released.



4. DISPERSANT APPLICATION EQUIPMENT AND STOCKPILES

AVAILABLE RESOURCES OF SPRAYING EQUIPMENT	AVAILABLE STOCKPILES (IF YES PLEASE SEE DISPERSANT STOCKPLILE SHEET)				
(IF YES PLEASE SEE DISPERSANT SPRAYING SHEET)	Yes/no	Testing/ restesting requirements for dispersants in stockpiles			
Yes	Dispersant stockpiles are available in Norway, mostly through private sector resources.	Methods for testing are specified.			

5. TRAINING AND EXERCICES

REGULAR EXERCICES AND TRAINING PROGRAMMES

Exercises for vessels and personnel involving the use of oil spill dispersants are conducted, more or less regularly.







6. RESOURCES AVAILABLE TO OTHERS MS IN CASE OF REQUEST FOR ASSISTANCE

DISPERSANT APPLICATION EQUIPMANT ONLY	DISPERSANT APPLICATION EQUIPMANT WITH TRAINED PERSONNEL	DISPERSANTS	PERSONNEL WITH DISPAERSANT USAGE EXPERTISE	AERIAL SURVEILLANCE	OTHER (PLEASE SPECIFY)
Depends on incident. Knowhow is needed to use the equipment in an efficient way.	Yes	Yes	Norway has some experience. However, we have had few incidents where dispersants are used.	Yes, but only for monitoring and guiding.	-

COMMENTS

1 Regarding the effectiveness testing, a separation is being made: for activities that are producing, handling or dealing with oil, the IFP* (Institut Français du Pétrole) test method is being used, whereas for activities which are not producing or dealing with oil, the WSL** (Warren Spring Laboratory) test method is used.

*The IFP (Institut Français du Pétrole) test is a low energy dispersibility test.

** The WSL (Warren Spring Laboratory) test is a high energy test, using rotating flasks.

APPROVED DISPERSANTS

Dispersants approved for use

PRODUCT NAME	ТҮРЕ	COMPANY	COMMENTS
-	-	-	-



DISPERSANTS APPLICATION CAPABILITY

Vessel application - Dipersant spraying equipment

	OWNE	R		OPERATIONS PORT/		LOCATION				COMMENTS
EQUIPMENT	GOVERNMENT	PRIVATE	QUANTITY	COASTAL/ OFFSHORE	CHARACTERISTICS	DESCRIPTION	LATITUDE LONGITUDE		CONTACT POINT	COMMENTS
vessels using spray arms	-	NOFO*	11 offshore vessels	Mainly offshore	Spray arms in bow and on the ship sides	Distributed among offshore oil fields in Norway	Nordland (H and to the se	located from altenbanken) outh (Ekofisk). in the Barents	NOFO	*NOFO – Norwegian Clean Seas Association for Operating Companies
vessels using spray arms	NCA	-	3 vessels	Near shore operations	Spray arms in bow and on the ship sides	Along the Norwegian coast	-	-	NCA	

The dosage used depends on the thickness of the oil and oil types. The disperants can be spread in high and low dosage, the speed of the vessels is crucial.

Aircraft application - Dipersant spraying equipment

	OWNE	R					LOCATION			CONTACT		
EQUIPMENT	GOVERNMENT	PRIVATE	QUANTITY	CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	POINT	COMMENTS			
-	-	-	-	-	-	-	-		Norway is in the process to built up a system for use of helicoper dispersant. The system will be introduced in Svalbard (in the Artic Ocean), hopefully in the end of 2022			

DISPERSANTS STOCKPILES

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PRODUCT			OWNE	R		LOCATION			CONTACT	COMMENTS	
NAME OR EQUIPMENT	TYPE	QUANTITY	GOVERNMENT	PRIVATE	DESCRIPTION	LATITUDE	LONGITUDE	CHECKS	POINT	COMMENTS	
DASIC SLICKGONE NS		501 tonnes / 576 m3	-	NOFO*	Onboard ships in offshore sector Norway	8 vessels are Nordland (Hal and to the sou vessels are in t	tenbanken)	The equipment onboard is tested monthly by setting it up and using freshwater, this to verify the spraypattern at sea. The dispersant onboard will yearly have a quality test, if changes are observed an efficient test will also be performed.	NOFO*	*NOFO _ Norwegian Clean Seas Association for Operating Companies	
DASIC SLICKGONE NS		45 tonnes / 52 m3	-	NOFO*	Onshore at "Polarbase" in Hammerfest	70° 40.47 N	23° 40.39 E		NOFO*		
DASIC SLICKGONE NS		61 tonnes / 70 m3	-	NOFO*	Onshore at "Vestbase" in Kristiansund	63° 7.18 N	007° 42.98 E		NOFO*	NOFO and offshore companies	
DASIC SLICKGONE NS		77 tonnes / 89 m3	-	NOFO*	Onshore at "Mongstad base" north of Bergen	60° 48.22 N	005° 2.77 E	O05° 2.77 EThe dispersant onshore is tested every third year.If changes are observed an efficient test will also be performed.		maintain a stockpile of DASIC	
DASIC SLICKGONE NS	3	44 tonnes / 51 m3	-	NOFO*	Onshore at "GMC base" in Stavanger	58° 57.37 N	005° 42.67 E		NOFO*	SLICKGONE NS. In total 844 m3 dispersants	
DASIC SLICKGONE NS		6 m3	-	Statoil Mongstad Refinery	Close to Bergen (Stureterminalen)	60° 37.09 N	004° 50.92 E		Equinor Stureter- minalen		
DASIC SLICKGONE NS		20 tonnes / 23 m3	-	NCA	Dispersant is onboard OV Hekkingen				NCA	*NCA _ Norwegian Coastal	
DASIC SLICKGONE NS		16 tonnes / 18 m3	-	NCA*	Dispersant is onboard OV Ryvingen	The 3 vessels a along the Nor		The dispersant onboard is tested regulary, app. yearly. If changes are observed an efficient test will also be performed.	NCA	Administration The dispersant capacity on the	
DASIC SLICKGONE NS		10 tonnes / 12 m3	-	NCA*	Dispersant is onboard OV Bøkfjord				NCA	governmental vessels is in total 53 m ³	
DASIC SLICKGONE NS		4 m3	-	NCA*	Onshore at the NCA's base in Horten	59° 24.85 N	10° 29.62 E	The dispersant onshore is tested every fifth year, an efficienty test will be performed. A more frequent sampling/analyses will be perfomed if changes are observed.	NCA		



TOXICITY TEST

ANALYTICAL METHOD	ORGANISM	ORGANISM'S CHARACTERISTICS	CONCENTRATION OF DISPERSANT/APPLICATION RATE	PERIOD OF EXPOSURE	CRITERIA	COMMENTS
ISO/ DIS 10253	Planktonic algae (Skeletonema costatum)	-	-	72 hours	EC50 > 10 mg/l	-

SUMMARY

DISPERSANT USE ALLOWED	AUTHORISATION PRIOR TO USE	CONNECTION TO CONTIGENCY PLAN	PREVIOUS EXPERIENCE WITH DISPERSANT USE	DISPERSANT TESTING	PRODUCT APPROVAL PROCEDURE & LIST OF APPROVED DISPERSANTS	DISPERSANT APPLICATION CAPABILITY	DISPERSANT STOCKPILES	TRAINING AND EXCERCISES	COMMENTS
Yes	Yes, see comments	Yes	Yes	Yes	Yes, product approval procedures exist. No list of approved dispersants exists.	Shipboard: yes Aerial: No	Yes, approx. 900 m3	Yes	Norway is in the process of building up a capasity for using helicopter for spraying dispersant. A unit is under development for this purpose. The use of helicopter is planned for the Svalbard area



National policies on the usage of oil spill dispersants in the EU Member States





I. USAGE OF OIL SPILL DISPERSANTS

Competent national authorities responsible for oil pollution at sea icluding the use of dispersants	Usage of oil spill dispersants	Potential changes in current dispersant policy	National Contigency Plan (NCP)
There is no specified contact point regarding the use of dispersants in Poland. According to Polish law, the Director of one of the two regional Maritime Offices is the competent authority for that purpose.	Yes, with restrictions	There is no discussion about changes to the current policy regarding the use of dispersants.	The use of dispersants is clearly described in Poland's National Contingency Plan, which describes the use of dispersants in general as a secondary option, especially when the oil comes ashore. The use of dispersants requires each time a permit from the local Martime Administration.

2. DISPERSANT TESTING AND APPROVAL

Product testing and approval scheme

		EFFICACY TEST			TOXICITY TEST			BIODEGRADABILITY TEST		
Yes/No	Yes/No	Analytical Method	Selection Criteria	Yes/No	Analytical Method	Selection Criteria	Yes/No	Analytical Method	Selection Criteria	
No standard dispersant laboratory testing or approval scheme is in place in Poland. In any emergency case, Poland would consider the use of any dispersant (concentrates type 2 or 3) from the Bonn Agreement list, that is accepted for use in at least two Bonn Agreement Contracting Parties and which has been subjected to at least two procedures for toxicity.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	

Product testing and approval scheme (cont.)

	OTHER				LIST OF APPROVED DISPERSANTS				
Yes/No	Analytical Method	Selection Criteria	Laboratories that perform dispersant testing	Competent authority for dispersants approval	Yes/No (If Yes please see Approved dispersant sheet)	Competent authority for publishing and frequency of revision			
N/A	N/A	N/A	N/A	-	No list of approved dispersants exists.	N/A			

3. RESPONSE STRATEGY

AUTHO	RISATION REQUIRED PRIOR TO DISPERSANT USE			ARE DISPERSANTS:				
Yes/No	Authority which grants mission for dispersant use authorisation/per mission for dispersant use	Specific circumstances to use dispersants (geographical restrictions, etc.)	Used as a 1 st reponse option	Used as a 2 nd reponse option	Used as a last resort	Not used at all	Previous experience with dispersants	
Yes	Maritime authorities, the Director of Maritime Office	Dispersants are used only to neutralize very thin oli slicks that are inefficient to collect with mechanical skimmers or sorbents.	No	No	Yes	No	We do not have any experiance with a singular use of a large amonut of dispersants. We do not utilized more than 100 liters in a single case.	

4. DISPERSANT APPLICATION EQUIPMENT AND STOCKPILES

AVAILABLE RESOURCES OF SPRAYING EQUIPMENT		AVAILABLE STOCKPILES (IF YES PLEASE SEE DISPERSANT STOCKPLILE SHEET)
(IF YES PLEASE SEE DISPERSANT SPRAYING SHEET)	Yes/no	Testing/ restesting requirements for dispersants in stockpiles
Only small portable backpack sprayers which are operated by a single person	No / only limited amounts of small dispersant stockpiles (not more than 100 liters each) are available in Poland.	No

5. TRAINING AND EXERCICES

REGULAR EXERCICES AND TRAINING PROGRAMMES

Dispersants are never used during exercises in Poland

6. RESOURCES AVAILABLE TO OTHERS MS IN CASE OF REQUEST FOR ASSISTANCE

DISPERSANT APPLICATION EQUIPMANT ONLY	DISPERSANT APPLICATION EQUIPMANT WITH TRAINED PERSONNEL	DISPERSANTS	PERSONNEL WITH DISPAERSANT USAGE EXPERTISE	AERIAL SURVEILLANCE	OTHER (PLEASE SPECIFY)
Not available	Not available	Not available	Not available	Not available	Not available

COMMENTS

APPROVED DISPERSANTS

Dispersants approved for use

PRODUCT NAME	ТҮРЕ	COMPANY	COMMENTS
-	-	-	-

-





DISPERSANTS APPLICATION CAPABILITY

Vessel application - Dipersant spraying equipment

	OWNER	२		OPERATIONS PORT/			LOCATION		CONTACT		
EQUIPMENT	GOVERNMENT	PRIVATE	QUANTITY	COASTAL/ OFFSHORE	CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	POINT	COMMENTS	
-	-	-	-	-	-	-	-	-	-	Dispersants in Poland are applied using small portable backpack sprayers, operators of the sprayers are transported to the spill site with small workboats	

Aircraft application - Dipersant spraying equipment

	OWN	ER		OPERATIONS PORT/			LOCATION	CONTACT		
EQUIPMENT	GOVERNMENT	PRIVATE	QUANTITY	COASTAL/ OFFSHORE	CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	POINT	COMMENTS
-	-	-	-	-	-	-	-	-	-	-

DISPERSANTS STOCKPILES

PRODUCT NAME			OWNER			LOCATION			CONTACT		
OR EQUIPMENT	TYPE	QUANTITY	GOVERNMENT	PRIVATE	DESCRIPTION	LATITUDE	LONGITUDE	CHECKS	POINT	COMMENTS	TYPE
-	-	-	-	-	-	-	-	-	-	There are no large national dispersants stockpiles in Poland. Competent Goverment Authorities and Private companies have small stockpiles with less than 100 liters of dispersants ready to use. In case of an large oil spill, chemical industry in Poland could deliver a larger (unspecified) amount of dispersants in a short time, although this was never operationally tested.	-

TOXICITY TEST

ANALYTICAL METHOD	ORGANISM	ORGANISM'S CHARACTERISTICS	CONCENTRATION OF DISPERSANT/APPLICATION RATE	PERIOD OF EXPOSURE	CRITERIA	COMMENTS
-	-	-	-	-	-	-

SUMMARY

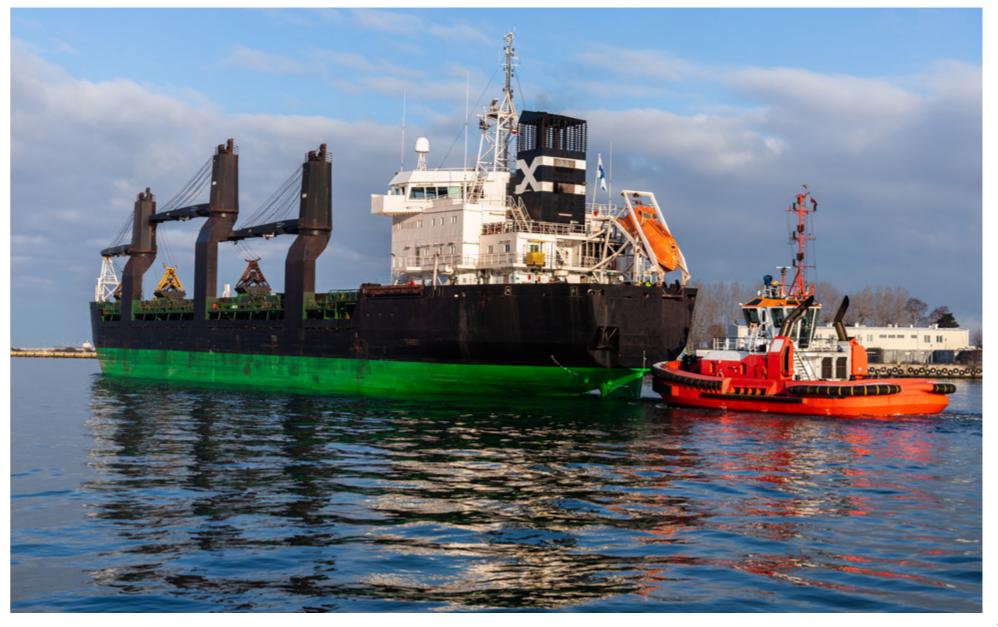
DISPERSANT USE ALLOWED	AUTHORISATION PRIOR TO USE	CONNECTION TO CONTIGENCY PLAN	PREVIOUS EXPERIENCE WITH DISPERSANT USE	DISPERSANT TESTING	PRODUCT APPROVAL PROCEDURE & LIST OF APPROVED DISPERSANTS	DISPERSANT APPLICATION CAPABILITY	DISPERSANT STOCKPILES	TRAINING AND EXCERCISES	COMMENTS
Yes, as a secondary response option	Yes, from the regional maritime authorities - the Director of (one of two) Regional Maritime Office	Yes	Limited to only small scale accidents	No	No/ Acceptance of dispersants approved for use by at least two countres from the Bonn Agreement countries	Shipboard: only small backpack sprayers Aerial: No	No large national stockpiles, only small stockpiles with less than 100 liters on stock	No	









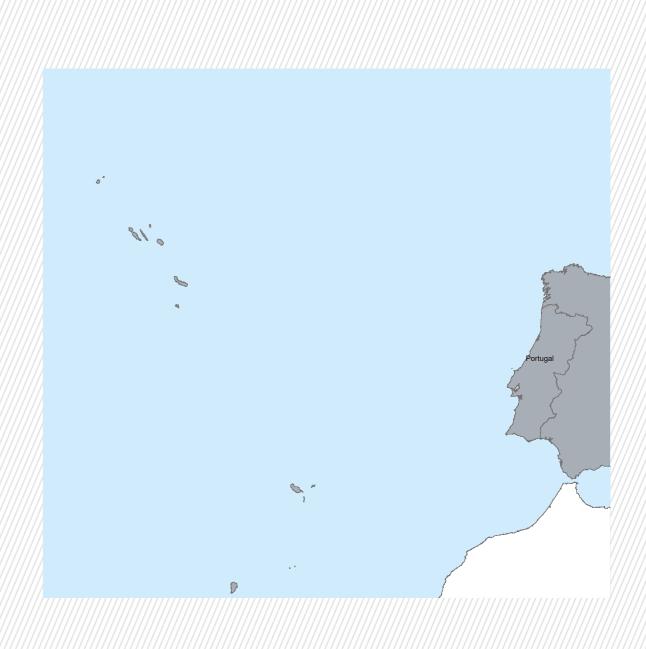




National policies on the usage of oil spill dispersants in the EU Member States







I. USAGE OF OIL SPILL DISPERSANTS

Competent national authorities responsible for oil pollution at sea icluding the use of dispersants	Usage of oil spill dispersants	Potential changes in current dispersant policy	National Contigency Plan (NCP)	
The authority with overall responsibility for oil pollution response at sea is the Directorate General of Maritime Authority (DGAM).	Yes, there is a list of allowed dispersants.	Nothing to report.	National Contingency Plan as guideline	

2. DISPERSANT TESTING AND APPROVAL

Product testing and approval scheme

	EFFICACY TEST			TOXICITY TEST			BIODEGRADABILITY TEST		
Yes/No	Yes/No	Analytical Method	Selection Criteria	Yes/No	Analytical Method	Selection Criteria	Yes/No	Analytical Method	Selection Criteria
No standard dispersant testing or approval schemes are in place in Portugal.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A



Product testing and approval scheme (cont.)

	OTHER				LIST OF APPROVED DISPERSANTS			
Yes/No	Analytical Method	Selection Criteria	Laboratories that perform dispersant testing	Competent authority for dispersants approval	Yes/No (If Yes please see Approved dispersant sheet)	Competent authority for publishing and frequency of revision		
N/A	N/A	N/A	N/A	The Ministries of Health and Environment.	Yes	The Ministrie of Health. Frequency of revision is not defined.		

3. RESPONSE STRATEGY

AUTHO	RISATION REQUIRED PRIOR TO DISPERSANT USE			ARE DISF	PERSANTS:		
Yes/No	Authority which grants mission for dispersant use authorisation/per mission for dispersant use	Specific circumstances to use dispersants (geographical restrictions, etc.)	Used as a 1 st reponse option	Used as a 2 nd reponse option	Used as a last resort	Not used at all	Previous experience with dispersants
No	N/A	Internal regulation by DGAM specifies that is not allowed the use dispersants at sea on location at distance lower than 1 nautical mile and depth lower than 30 metres, from the cost line or protected or sensitive areas, and is not also allowed the use of dispersants on interior waters. (Circular nr. 158/2014-P)	No	No	Yes	No	Yes. Oil spill dispersants have been used in Portugal in 1975 in Leixoes (JACOB MAERSK;s accident), in 1989 in Sines (MARAO's accidents and in 1990 at Madeira Island (ARAGON's accident

4. DISPERSANT APPLICATION EQUIPMENT AND STOCKPILES

AVAILABLE RESOURCES OF SPRAYING EQUIPMENT		AVAILABLE STOCKPILES (IF YES PLEASE SEE DISPERSANT STOCKPLILE SHEET)
(IF YES PLEASE SEE DISPERSANT SPRAYING SHEET)	Yes/no	Testing/ restesting requirements for dispersants in stockpiles
No	No	N/A

5. TRAINING AND EXERCICES

REGULAR EXERCICES AND TRAINING PROGRAMMES

Regular exercises and trainning programmes for application of dispersants have not been implemented.

6. RESOURCES AVAILABLE TO OTHERS MS IN CASE OF REQUEST FOR ASSISTANCE

DISPERSANT APPLICATION EQUIPMANT ONLY	DISPERSANT APPLICATION EQUIPMANT WITH TRAINED PERSONNEL	DISPERSANTS	PERSONNEL WITH DISPAERSANT USAGE EXPERTISE	AERIAL SURVEILLANCE	OTHER (PLEASE SPECIFY)
N/A	N/A	N/A	N/A	N/A	N/A



COMMENTS

Veiga M. C. & J. Wonham, 2001. Applying the "Polluters pays principle" to fund oil spill preparedness in the North East Atlantic. International Oil Spill Conference – 2001. Information available on-line at http://www.iosc.org/ (accessed on April 2010).

APPROVED DISPERSANTS

Dispersants approved for use

PRODUCT NAME	ТҮРЕ	COMPANY	COMMENTS
Dasic slickgone NS	3	Dasic International Lda.	-
Finasol OSR 51	2/3	TOTAL	-
Finasol OSR 52	2/3	TOTAL	-
Radiagreen OSD	3	OLEON	-
Superdispersant-25	2/3	Oil Slick Dispersants Ltd	-

DISPERSANTS APPLICATION CAPABILITY

Vessel application - Dipersant spraying equipment

	OWNE	R		OPERATIONS PORT/			LOCATION			
EQUIPMENT	GOVERNMENT	PRIVATE	QUANTITY	COASTAL/ OFFSHORE	CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	CONTACT POINT	COMMENTS
-	-	-	-	-	-	-	-	-	-	-

Aircraft application - Dipersant spraying equipment

	OWN	ER			LOCATION			CONTACT		
EQUIPMENT	GOVERNMENT	PRIVATE	QUANTITY	CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	POINT	COMMENTS	
-	-	-	-	-	-	-	-	-	-	



DISPERSANTS STOCKPILES

PRODUCT NAME			OWNER		LOCATION				CONTACT		
OR EQUIPMENT			GOVERNMENT	PRIVATE	DESCRIPTION	LATITUDE	LONGITUDE	CHECKS	POINT	COMMENTS	TYPE
	-	-	-	-	-	-	-	-	-	-	-

TOXICITY TEST

ANALYTICAL METHOD	ORGANISM	ORGANISM'S CHARACTERISTICS	CONCENTRATION OF DISPERSANT/APPLICATION RATE	PERIOD OF EXPOSURE	CRITERIA	COMMENTS
-	-	-	-	-	-	-

SUMMARY

DISPERSANT USE ALLOWED	AUTHORISATION PRIOR TO USE	CONNECTION TO CONTIGENCY PLAN	PREVIOUS EXPERIENCE WITH DISPERSANT USE	DISPERSANT TESTING	PRODUCT APPROVAL PROCEDURE & LIST OF APPROVED DISPERSANTS	DISPERSANT APPLICATION CAPABILITY	DISPERSANT STOCKPILES	TRAINING AND EXCERCISES	COMMENTS
Yes, as a last resort option.	No, there is a list of aproved dispersants	Yes	Yes	No	Yes	Shipboard: No Aerial: No	No	No	-

ROMANIA

ARTIGUES

National policies on the usage of oil spill dispersants in the EU Member States





AND DESCRIPTION OF TAXABLE PARTY.



I. USAGE OF OIL SPILL DISPERSANTS

Competent national authorities responsible for oil pollution at sea icluding the use of dispersants	Usage of oil spill dispersants	Potential changes in current dispersant policy	National Contigency Plan (NCP)	
Ministry of Environment, Waters and Forests /Ministry of Transport and Infrastructure/Ministry of Internal Affairs/ Constanta County Prefect	No, taking into consideration the "special sea" status of the Black Sea	No	The use of oil spill dispersants is not described in Romania's National Contingency Plan.	

2. DISPERSANT TESTING AND APPROVAL

Product testing and approval scheme

		EFFICACY TEST			TOXICITY TEST			BIODEGRADABILITY TEST		
Yes/No	Yes/No	Analytical Method	Selection Criteria	Yes/No	Analytical Method	Selection Criteria	Yes/No	Analytical Method	Selection Criteria	
No	N/A	N/A	N/A	See toxicity sheet	See toxicity sheet	See toxicity sheet	N/A	N/A	N/A	

Product testing and approval scheme (cont.)

	OTHER				LIST OF APPROVED DISPERSANTS		
Yes/No	Analytical Method	Selection Criteria	Laboratories that perform dispersant testing	Competent authority for dispersants approval	Yes/No (If Yes please see Approved dispersant sheet)	Competent authority for publishing and frequency of revision	
N/A	N/A	N/A	National Research and Development Marine Institute "Grigore Antipa" Romania -developing	Ministry for Environment, Waters and Forests/National Committee for Emergency Situation	No list of approved dispersants	N/A	

3. RESPONSE STRATEGY

AUTHO	RISATION REQUIRED PRIOR TO DISPERSANT USE			ARE DISPERSANTS:				
Yes/No	Authority which grants mission for dispersant use authorisation/per mission for dispersant use	Specific circumstances to use dispersants (geographical restrictions, etc.)	Used as a 1 st reponse option	Used as a 2 nd reponse option	Used as a last resort	Not used at all	Previous experience with dispersants	
Yes	Ministry for Environment, Waters and Forest/National Committee for Emergency Situation	Under development	No	Yes, after special analysisand assesment	Yes	For the moment, yes	No	

4. DISPERSANT APPLICATION EQUIPMENT AND STOCKPILES

AVAILABLE RESOURCES OF SPRAYING EQUIPMENT		AVAILABLE STOCKPILES (IF YES PLEASE SEE DISPERSANT STOCKPLILE SHEET)
(IF YES PLEASE SEE DISPERSANT SPRAYING SHEET)	Yes/no	Testing/ restesting requirements for dispersants in stockpiles
Yes	No	Methodology under development

5. TRAINING AND EXERCICES

REGULAR EXERCICES AND TRAINING PROGRAMMES

Regular exercises with Brizo, Maia, Gaia are performed once every 2 months

6. RESOURCES AVAILABLE TO OTHERS MS IN CASE OF REQUEST FOR ASSISTANCE

DISPERSANT APPLICATION EQUIPMANT ONLY	DISPERSANT APPLICATION EQUIPMANT WITH TRAINED PERSONNEL	DISPERSANTS	PERSONNEL WITH DISPAERSANT USAGE EXPERTISE	AERIAL SURVEILLANCE	OTHER (PLEASE SPECIFY)
No	Brizo, Maia, Gaia	No	Yes	No	No

COMMENTS

Tests during exercises were done using water instead of dispersants, since we do not own or know of any approved dispersants.

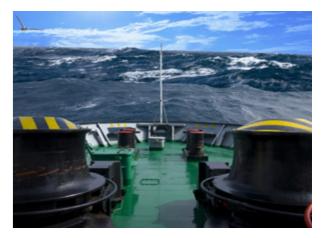
APPROVED DISPERSANTS

Dispersants approved for use

PRODUCT NAME	ТҮРЕ	COMPANY	COMMENTS
-	-	-	-







DISPERSANTS APPLICATION CAPABILITY

Vessel application - Dipersant spraying equipment

	OWNE	R		OPERATIONS PORT/			LOCATION		CONTACT	0014151170
EQUIPMENT	GOVERNMENT	PRIVATE	QUANTITY	COASTAL/ OFFSHORE	CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	POINT	COMMENTS
Brizo	Romanian Search and Rescue Agency (A.R.S.V.O.M.)	-	1	Port/Coastal/ Offshore	Dispersant tank 4,17 cubic meters, sea water pump, 2x10m, lines for spray nozzles mounted at midship on each side, different size nozzles 2 mm, 2.3 mm and 2.6 mm, 2 x LAMOR side skimmer 60 cubic meters per hour capacity with recovery arms 10 meters each, 250 cubic meters ORO class, 2x LAMOR open sea oil booms up to 400 m, transfer pump 150 cbm/h capacity, LAMOR remote control multiskimmer 60 cbm	Port of Constanta, berth 78	44°08.9' N	020°40.03' E	Romanian SAR Agency dispatch: Tel. +40 756 202324; tel. +40 241 601730	-

Vessel application - Dipersant spraying equipment (cont.)

	OWNE	R		OPERATIONS PORT/			LOCATION		CONTACT	
EQUIPMENT	GOVERNMENT	PRIVATE	QUANTITY	COASTAL/ OFFSHORE	CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	POINT	COMMENTS
Maia	Romanian Search and Rescue Agency (A.R.S.V.O.M.)	-	1	Port/Coastal	Special equipment: Deck crane, Fassi 65B.0.22 Integrated oil recovery system Lamor Oil collecting: inflatable oil boom 2 x 6 m Oil recovery capacity: 30 m3/h Towing capability 5 t Fire fighting: remotely controlled monitor Oil recovery storage: 2 x 2000 I 10 sealable bags of 1cbm each for oil recovery Dispersant pump connected to sea water monitor 230 cbm/h with variable deliverable quantiy, dispersant tank 1cbm on deck	Port of Mangalia	43°48.4' N	028°34.08' E	Romanian SAR Agency dispatch: Tel. +40 756 202324; tel. +40 241 601730	-
Gaia	Romanian Search and Rescue Agency (A.R.S.V.O.M.)	-	1	Port/Coastal	Special equipment:Deck crane Fassi 65B.0.22 Integrated oil recovery system Lamor Oil collecting: inflatable oil boom 2 x 6 m Oil recovery capacity: 30 m3/h Towing capability: 5 t Fire fighting: remotely controlled monitor Oil recovery storage 2 x 2000 l	Port of Constanta, berth 77	44°08.9' N	020°40.03' E	Romanian SAR Agency dispatch: Tel. +40 756 202324; tel. +40 241 601730	

Vessel application - Dipersant spraying equipment (cont.)

	OWNER			OPERATIONS PORT/	DRT/	LOCATION				
EQUIPMENT	GOVERNMENT	PRIVATE	QUANTITY	COASTAL/ OFFSHORE	CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	CONTACT POINT	COMMENTS
Multipurpose vessel "Nicolae Zeicu"	National Company "Maritime Ports Administration" SA Constanta	-	1	Port	Length: 24.7m Beam: 6.0m Draught: 1.25-2.20m Capacity of tank for dispersants : 1 m ³ Spraying arm length: 6 m; 5 duses ø 12 mm/arm	Port of Constanta, berth 78	44°08'N	28°40'E	Technical Vessels Branch; Tel.:+40 241 601224/+40 241 601024	Dispersants were never used for combating oil spills within port area; 20 liters available, type OIL SPILL made by CHROMA



Vessel application - Dipersant spraying equipment (cont.)

	OWNER	R		OPERATIONS PORT/			LOCATION		CONTACT	
EQUIPMENT	GOVERNMENT	PRIVATE	QUANTITY	COASTAL/ OFFSHORE	CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	POINT	COMMENTS
OPV 6610 - Megator DP20 Oil Dispersant Unit	Coast Guard	_	1		 1,4 m3 of Dispersant tank (concentred solution), 1 dispersant pump (type L75) with three- way-by-pass control valve 1 sea water pump (type L150) 2 x 6 meters lines, each with 7 spray nozzles (oval head 2,5x3,5mm) to be mounted amidship. Sprinkler lines are to be mounted on each side of the vessel. Unit can spread maximum 75 l/minute (of dispersant dillution between 6% and 30% pumping ratio with sea water) 	The ship (OPV6610 "Ştefan cel Mare") - Port of Constanta, berth 0 .	44°09.4' N	028°39.7' E	Coast Guard headquarter/ Constanta Tel: +40 241 698713	The ship/ Coast Guard doesn't have any dispersant liquid stockpile. Dispersant should be provided. The ship has the theoretical capacity of loading 1 container of 20 feet (or 2 containers of 10 feet). If Dispersant spraying equipment can be mounted in a 20 feet container we could use it as additional equipment (sea water is available through internal Fi-Fi system and power supply 400 V/ 50 Hz & 230V/ 50 Hz is available on deck) A boom could be loaded in this container and, the OPV could, together with H630 boat, isolate some spots of oil residues. *theorethical becouse it has never been done, just shipbuilder technical documentation.

Aircraft application - Dipersant spraying equipment

	OWNER				LOCATION			CONTACT		
EQUIPMENT	GOVERNMENT	PRIVATE	QUANTITY	CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	POINT	COMMENTS	
-	-	-	-	-	-	-	-	-	-	

DISPERSANTS STOCKPILES

		OWNER		LOCATION				CONTACT			
OR EQUIPMENT		E QUANTITY	GOVVERNMENT	PRIVATE	DESCRIPTION	LATITUDE	LONGITUDE	CHECKS	POINT	COMMENTS	TYPE
-	-	-	-	-	-	-	-	-	-	-	-



ANALYTICAL METHOD	ORGANISM	ORGANISM'S CHARACTERISTICS	CONCENTRATION OF DISPERSANT/APPLICATION RATE	PERIOD OF EXPOSURE	CRITERIA	COMMENTS
Acute toxicity test on marine organisms relevant for Black Sea developed and tested. Medium term toxicity test under development	'Skeletonema costatum	Organism covers main trophic levels of marine ecosystem (phytoplankton)	not yet established	72 hours	Not yet established	The test was applied on dispersants on request in order to devolop the method
Acute toxicity test on marine organisms relevant for Black Sea developed and tested. Medium term toxicity test under development	'Acartia sp.	Organism covers main trophic levels of marine ecosystem (zooplankton)	not yet established	48 hours	Not yet established	The test was applied on dispersants on request in order to devolop the method
Acute toxicity test on marine organisms relevant for Black Sea developed and tested. Medium term toxicity test under development	' Chelon auratus	Organisms covers main trophic levels of marine ecosystem (fish)	not yet established (test not used on dispersants)	96 hours	Not yet established	-

SUMMARY

DISPERSANT USE ALLOWED	AUTHORISATION PRIOR TO USE	CONNECTION TO CONTIGENCY PLAN	PREVIOUS EXPERIENCE WITH DISPERSANT USE	DISPERSANT TESTING	PRODUCT APPROVAL PROCEDURE & LIST OF APPROVED DISPERSANTS	DISPERSANT APPLICATION CAPABILITY	DISPERSANT STOCKPILES	TRAINING AND EXCERCISES	COMMENTS
Not exactly described in the romanian legislation	Yes	Not yet	No	No	No	Shipboard: Yes Aerial: No	No	Regular exercises with Brizo, Maia, Gaia are performed once every 2 months	The exercises are developed without using a real dispersant



National policies on the usage of oil spill dispersants in the EU Member States





I. USAGE OF OIL SPILL DISPERSANTS

Competent national authorities responsible for oil pollution at sea icluding the use of dispersants	Usage of oil spill dispersants	Potential changes in current dispersant policy	National Contigency Plan (NCP)
-	The rpimary response method to oil spills at sea is mecahnical containment and recovery. Due to the shallowness of the Slovenia sea, with depths of less than 25 meters, the use of dispersants is prohibited and oil spill dispersants have never been used in Slovenian waters.	No change in the national policy regarding dispersant usage is currently being considered in Slovenia	The use of dispersants is not described in Iceland's National Contingency Plan

2. DISPERSANT TESTING AND APPROVAL

Product testing and approval scheme

	EFFICACY TEST			TOXICITY TEST			BIODEGRADABILITY TEST		
Yes/No	Yes/No	Analytical Method	Selection Criteria	Yes/No	Analytical Method	Selection Criteria	Yes/No	Analytical Method	Selection Criteria
No dispersant laboratory testing or approval scheme is in place in Slovenia, since dispersant use is prohibited.	No	No	No	No	No	No	No	No	No



	OTHER				LIST OF APPROVED DISPERSANTS			
Yes/No	Analytical Method	Selection Criteria	Laboratories that perform dispersant testing	Competent authority for dispersants approval	Yes/No (If Yes please see Approved dispersant sheet)	Competent authority for publishing and frequency of revision		
No	No	No	No	No	No list of approved dispersants exists.	No		

3. RESPONSE STRATEGY

AUTHO	RISATION REQUIRED PRIOR TO DISPERSANT USE						
Yes/No	Authority which grants mission for dispersant use authorisation/per mission for dispersant use	Specific circumstances to use dispersants (geographical restrictions, etc.)	Used as a 1 st reponse option	ponse 2 nd reponse Used as a used at		Previous experience with dispersants	
-	-	-	No	No	No	No	-

4. DISPERSANT APPLICATION EQUIPMENT AND STOCKPILES

AVAILABLE RESOURCES OF SPRAYING EQUIPMENT (IF YES PLEASE SEE DISPERSANT SPRAYING SHEET)	AVAILABLE STOCKPILES (IF YES PLEASE SEE DISPERSANT STOCKPLILE SHEET)					
	Yes/no	Testing/ restesting requirements for dispersants in stockpiles				
Since dispersant use is prohibited, Slovenia does not possess dispersant stockpiles, or any type of dispersant application equipment.	No	No				

5. TRAINING AND EXERCICES

REGULAR EXERCICES AND TRAINING PROGRAMMES

No

6. RESOURCES AVAILABLE TO OTHERS MS IN CASE OF REQUEST FOR ASSISTANCE

DISPERSANT APPLICATION EQUIPMANT ONLY	DISPERSANT APPLICATION EQUIPMANT WITH TRAINED PERSONNEL	DISPERSANTS	PERSONNEL WITH DISPAERSANT USAGE EXPERTISE	AERIAL SURVEILLANCE	OTHER (PLEASE SPECIFY)	
No	No	No	No	No	No	

-

COMMENTS

APPROVED DISPERSANTS

Dispersants approved for use

PRODUCT NAME	ТҮРЕ	COMPANY	COMMENTS
-	-	-	-

DISPERSANTS APPLICATION CAPABILITY

Vessel application - Dipersant spraying equipment

EQUIPMENT	OWNER			OPERATIONS PORT/			LOCATION			
	GOVERNMENT	PRIVATE	QUANTITY	COASTAL/ OFFSHORE	CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	CONTACT POINT	COMMENTS
-	-	-	-	-	-	-	-	-	-	-

Aircraft application - Dipersant spraying equipment

EQUIPMENT	OWNER				I	LOCATION		CONTACT		
	GOVERNMENT	PRIVATE	QUANTITY	CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	POINT	COMMENTS	
-	-	-	-	-	-	-	-	-	-	



DISPERSANTS STOCKPILES

PRODUCT NAME OR EQUIPMENT	ТҮРЕ	QUANTITY	OWNER		LOCATION				CONTACT		
			GOVVERNMENT	PRIVATE	DESCRIPTION	LATITUDE	LONGITUDE	CHECKS	POINT	COMMENTS	ТҮРЕ
-	-	-	-	-	-	-	-	-	-	-	-

TOXICITY TEST

ANALYTICAL METHOD	ORGANISM	ORGANISM'S CHARACTERISTICS	CONCENTRATION OF DISPERSANT/APPLICATION RATE	PERIOD OF EXPOSURE	CRITERIA	COMMENTS
	-	-	-	-	-	-

SUMMARY

DISPERSANT USE ALLOWED	AUTHORISATION PRIOR TO USE	CONNECTION TO CONTIGENCY PLAN	PREVIOUS EXPERIENCE WITH DISPERSANT USE	DISPERSANT TESTING	PRODUCT APPROVAL PROCEDURE & LIST OF APPROVED DISPERSANTS	DISPERSANT APPLICATION CAPABILITY	DISPERSANT STOCKPILES	TRAINING AND EXCERCISES	COMMENTS
No	No	No	No	No	No	Shipboard: No Aerial: No	No	No	No





National policies on the usage of oil spill dispersants in the EU Member States









I. USAGE OF OIL SPILL DISPERSANTS

Competent national authorities responsible for oil pollution at sea icluding the use of dispersants	Usage of oil spill dispersants	Potential changes in current dispersant policy	National Contigency Plan (NCP)
The Maritime Authority in the Directorate General Merchant Marine (DGMM) under the Ministry for Transport, Mobility and Urban Agenda.	The Maritime Authority is responsable for authorising the use of dispersants.	No change in the national policy regarding dispersant usage is currently being considered.	The National Contingency Plan is regulated in the following legislation: "Real Decreto 1695/2012, de 21 de diciembre, por el que se aprueba el Sistema Nacional de Respuesta ante la contaminación marina". "Orden FOM/1793/2014, de 22 de septiembre, por la que se aprueba el Plan Marítimo Nacional de respuesta ante la contaminación del medio marino".

2. DISPERSANT TESTING AND APPROVAL

Product testing and approval scheme

		EFFICACY TEST			TOXICITY TEST		BIODEGRADABILITY TEST			
Yes/No	Yes/No	Analytical Method	Selection Criteria	Yes/No	Analytical Method	Selection Criteria	Yes/No	Analytical Method	Selection Criteria	
Currently the DGMM, which is the competent authority, approves the dispersants based on the product documentation considering the results of the efficiency, toxicity and biodegradability tests.	Yes	Regulated in the Spanish norm: UNE 77101-Febrero 2014: "Evaluación de la eficacia potencial de dispersantes de hidrocarburos en el medio marino. Ensayo de eficacia de dispersantes.	-	Yes	Regulated in the Spanish norm: UNE 77103-Mayo 2014: "Evaluación de la biodegradabilidad de dispersantes y agentes de biorremediación mediante la determinación de la demanda biológica de oxígeno en un respirómetro manométrico."	-	Yes	Regulated in the Spanish norm: UNE 77103-Mayo 2014: "Evaluación de la biodegradabilidad de dispersantes y agentes de biorremediación mediante la determinación de la demanda biológica de oxígeno en un respirómetro manométrico.	-	

Product testing and approval scheme (cont.)

OTHER					LIST OF APPROVED DISPERSANTS			
Yes/No	Analytical Method	Selection Criteria	Laboratories that perform dispersant testing	Competent authority for dispersants approval	Yes/No (If Yes please see Approved dispersant sheet)	Competent authority for publishing and frequency of revision		
Yes	Equivalent tests on efficiency, ecotoxicity and biodegradability to those defined in the Spanish norm internationally recognised coul be presented.	-	Centro de Estudios y Experimentación de Obras Públicas (CEDEX).	The Directorate General Merchant Marine (DGMM) under the Ministry of transport, Mobility and Urban Agenda.	Yes	The Directorate General Merchant Marine (DGMM). Yearly review.		

3. RESPONSE STRATEGY

AUTHO	RISATION REQUIRED PRIOR TO DISPERSANT USE			ARE DISPERSANTS:				
Yes/No	Authority which grants mission for dispersant use authorisation/per mission for dispersant use	Specific circumstances to use dispersants (geographical restrictions, etc.)	Used as a 1 st reponse option	Used as a 2 nd reponse option	Used as a last resort	Not used at all	Previous experience with dispersants	
Yes	The local use of dispersants is controlled, authorised and supervised by the local maritime authorities (Harbour Masters)	Dispersant use is considered mainly when an oil spill is very recent and covering a limited geographical area, away from sensitive areas	No	No	Yes	No	Yes	

4. DISPERSANT APPLICATION EQUIPMENT AND STOCKPILES

AVAILABLE RESOURCES OF SPRAYING EQUIPMENT	AVAILABLE STOCKPILES (IF YES PLEASE SEE DISPERSANT STOCKPLILE SHEET)					
(IF YES PLEASE SEE DISPERSANT SPRAYING SHEET)	Yes/no	Testing/ restesting requirements for dispersants in stockpiles				
The Directorate General of the Merchant Marine (DGMM) owns a limited number of vessels equipped with on board dispersant application capability and also charters other tug boats from the private sector if needed. SASEMAR, the Spanish Maritime Rescue and Safety Agency has an agreement with OSRL (based in the UK), which offers Spain access to aircraft dispersant application capability	Spain possesses a limited amount of dispersant stockpiles, mainly from private sector oil companies at the ports of their operation. These stockpiles are not being regularly checked	-				

5. TRAINING AND EXERCICES

REGULAR EXERCICES AND TRAINING PROGRAMMES

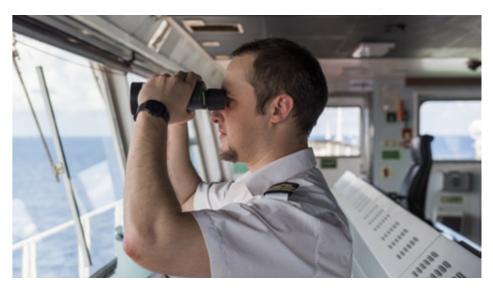
NO

6. RESOURCES AVAILABLE TO OTHERS MS IN CASE OF REQUEST FOR ASSISTANCE

DISPERSANT APPLICATION EQUIPMANT ONLY	DISPERSANT APPLICATION EQUIPMANT WITH TRAINED PERSONNEL	DISPERSANTS	PERSONNEL WITH DISPAERSANT USAGE EXPERTISE	AERIAL SURVEILLANCE	OTHER (PLEASE SPECIFY)
No	No	No No		Yes	No
COMMENTS					

-





APPROVED DISPERSANTS

Dispersants approved for use

PRODUCT NAME	ТҮРЕ	COMPANY	COMMENTS
INNOSPEC OD 4000	3	INNOSPEC IBERIA (www.innospecinc.com)	-
RADIAGREEN OSD	3	OELON N.V. Belgium (www.oleon.com	-
MK-DISPER	-	KLINER PROFESIONAL (www,klinerprofesional.com)	-
DISPEREP 12	-	GAEXCON	-
BIOVERSAL HC	2/3	Bioversal International Gesellschaft m.b.H	-
FINASOL OSR 52	-	TOTAL ESPAÑA SAU	-
BIORREMEDIACIÓN S200	-	SOLUTIONS MEDIO AMBIENTE C.B.	-
BIOPULCHER	-	BIOPULCHER S.L.	-
KIT GAEXCON	-	GAEXCON S.L	-
BIOMATRIX GOLD	-	BIOTECNOLOGÍAS DESCONTAMINANTES, S.L.	-
GRINTEC®OIL ONLY	-	SORBCONTROL, S.L.	-

The dispersants are approved provisionally and for one year. Each year they are re-homolgated if the composition doesn't change from the initial approvement. Spain is working in regulations about the testings and when it finish the validity of the homologation will be longer.

DISPERSANTS APPLICATION CAPABILITY

Vessel application - Dipersant spraying equipment

	OWNER			OPERATIONS PORT/		LOCATION			CONTACT	
EQUIPMENT	GOVERNMENT	PRIVATE	QUANTITY	COASTAL/ OFFSHORE	CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	POINT	COMMENTS
Don Inda *		-	28,8 m ³			Corcubión	42o 56' N	09° 12' W		
Clara campoamor *		-	28,8 m ³			Cartagena	39o 28' N	00° 22' W		Vessels equipped with on board dispersant application capability
Luz de mar*		-	22,6 m ³			Algeciras	36o 11' N	05° 27' W	DGMM	
Miguel de cervantes*		-	22,6 m ³	-		S.C. de Tenerife	28o 28' N	16° 15' W		
Maria de maeztu		-	12 m ³			Bilbao	43o 15' N	02° 55' W		Directorate General of the Merchant
Maria Zambrano*	DGMM**	-	12 m ³		-	Cadiz	36o 32' N	06° 18' W		
Maria pita*		-	12 m ³			Vigo	42o 15' N	08° 43' W		
Marta mata*		-	12 m ³			Palma de Mallorca	39o 35' N	02° 39' E		
Sar Mastelero*		-	12 m ³			Motril	36° 43' N	03° 31' W		Marine.
Sar Gavia*		-	12 m ³			A Coruña	43° 21' N	08° 24' W		
Sar Mesana*		-	12 m ³			Castellón	39° 27' N	00° 18' W		

Aircraft application - Dipersant spraying equipment

EQUIPMENT	OWNER				I	LOCATION		CONTACT		
	GOVERNMENT	PRIVATE	QUANTITY	CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	POINT	COMMENTS	
-	-	-	-	-	-	-	-		-	

DISPERSANTS STOCKPILES

PRODUCT NAME			OWNER			LOCATION			CONTACT		
OR EQUIPMENT	TYPE	QUANTITY	GOVVERNMENT PRIVATE DESCRIPTION LAT		LATITUDE	LONGITUDE	CHECKS	POINT	COMMENTS	ТҮРЕ	
INNOSPEC OD 4000	3	10m ³	Yes	-	Santa Cruz de Tenerife	28.4682°N	16.2446°W	Lab analysis every year.	SASEMAR	-	-

TOXICITY TEST

ANALYTICAL METHOD	ORGANISM	ORGANISM'S CHARACTERISTICS	CONCENTRATION OF DISPERSANT/APPLICATION RATE	PERIOD OF EXPOSURE	CRITERIA	COMMENTS
UNE 77104-Febrero 2014	Vibrio fischeri.	-	-	-	-	
UNE 77106-Febrero 2014	Brachionus plicatilis	-	-	-	-	If from the two first tests the toxicity is positive then the third one should be used to characterize the toxicity.
UNE 77105-May 2014	Palaemon serratus or Palaemon elegans	-	-	-	-	

SUMMARY

DISPERSANT USE ALLOWED	AUTHORISATION PRIOR TO USE	CONNECTION TO CONTIGENCY PLAN	PREVIOUS EXPERIENCE WITH DISPERSANT USE	DISPERSANT TESTING	PRODUCT APPROVAL PROCEDURE & LIST OF APPROVED DISPERSANTS	DISPERSANT APPLICATION CAPABILITY	DISPERSANT STOCKPILES	TRAINING AND EXCERCISES	COMMENTS
Yes, as a last response option	Yes	Yes	Yes	Yes	Yes	Shipboard: Yes Aerial: No	No	No	-



National policies on the usage of oil spill dispersants in the EU Member States





I. USAGE OF OIL SPILL DISPERSANTS

Competent national authorities responsible for oil pollution at sea icluding the use of dispersants	Usage of oil spill dispersants	Potential changes in current dispersant policy	National Contigency Plan (NCP)
The authority with overall responsibility for oil pollution response at sea is the Swedish Coast Guard	No	There is no clear policy that describes the use of dispersion as no one in Sweden has used it in the last 35 years. There is no tendency for this to change in the near future.	Dispersant use is not described in Sweden's National Contingency Plan.

2. DISPERSANT TESTING AND APPROVAL

Product testing and approval scheme

	EFFICACY TEST			TOXICITY TEST			BIODEGRADABILITY TEST		
Yes/No	Yes/No	Analytical Method	Selection Criteria	Yes/No	Analytical Method	Selection Criteria	Yes/No	Analytical Method	Selection Criteria
No	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Product testing and approval scheme (cont.)

	OTHER				LIS	ST OF APPROVED DISPERSANTS
Yes/No	Analytical Method	Selection Criteria	Laboratories that perform dispersant testing	Competent authority for dispersants approval	Yes/No (If Yes please see Approved dispersant sheet)	Competent authority for publishing and frequency of revision
N/A	N/A	N/A	N/A	N/A	No list of approved dispersants exists.	N/A

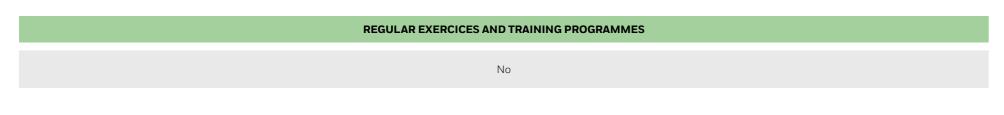
3. RESPONSE STRATEGY

AUTHO	RISATION REQUIRED PRIOR TO DISPERSANT USE							
Yes/No	Authority which grants mission for dispersant use authorisation/per mission for dispersant use	Specific circumstances to use dispersants (geographical restrictions, etc.)	Used as a 1 st reponse option	Used as a 2 nd reponse option	Used as a last resort	Not used at all	Previous experience with dispersants	
Yes	The Swedish Coast Guard with support from Swedish Agency for Marine and Water Management,	N/A	No	No	No	Yes	None since the 80s	

4. DISPERSANT APPLICATION EQUIPMENT AND STOCKPILES

AVAILABLE RESOURCES OF SPRAYING EQUIPMENT	AVAILABLE STOCKPILES (IF YES PLEASE SEE DISPERSANT STOCKPLILE SHEET)					
(IF YES PLEASE SEE DISPERSANT SPRAYING SHEET)	Yes/no	Testing/ restesting requirements for dispersants in stockpiles				
Sweden does not maintain any vessel or aircraft dispersant application capability	Sweden does not hold any dispersant stockpiles	N/A				

5. TRAINING AND EXERCICES



6. RESOURCES AVAILABLE TO OTHERS MS IN CASE OF REQUEST FOR ASSISTANCE

DISPERSANT APPLICATION EQUIPMANT ONLY	DISPERSANT APPLICATION EQUIPMANT WITH TRAINED PERSONNEL	DISPERSANTS	PERSONNEL WITH DISPAERSANT USAGE EXPERTISE	AERIAL SURVEILLANCE	OTHER (PLEASE SPECIFY)
No	No	No	No	No	No



COMMENTS

APPROVED DISPERSANTS

Dispersants approved for use

PRODUCT NAME	ТҮРЕ	COMPANY	COMMENTS
-	-	-	-

-

DISPERSANTS APPLICATION CAPABILITY

Vessel application - Dipersant spraying equipment

	OWNER			OPERATIONS PORT/		LOCATION				
EQUIPMENT	GOVERNMENT	PRIVATE	QUANTITY	COASTAL/ OFFSHORE	CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	CONTACT POINT	COMMENTS
-	-	-	-	-	-	-	-	-	-	-

Aircraft application - Dipersant spraying equipment

	OWNER				LOCATION			CONTACT		
EQUIPMENT	GOVERNMENT	PRIVATE	QUANTITY	CHARACTERISTICS	DESCRIPTION	LATITUDE	LONGITUDE	POINT	COMMENTS	
-	-	-	-	-	-	-	-	-	-	

DISPERSANTS STOCKPILES

PRODUCT NAME			OWNER		LOCATION			CONTACT	CONTACT	COMMENTS	TVDE
OR EQUIPMENT	TYPE	QUANTITY	GOVVERNMENT	PRIVATE	DESCRIPTION	LATITUDE	LONGITUDE	CHECKS	POINT	COMMENTS	TYPE
	-	-	-	-	-	-	-	-	-	-	-

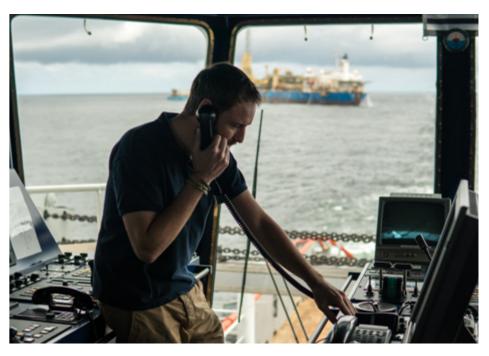
TOXICITY TEST

ANALYTICAL METHOD	ORGANISM	ORGANISM'S CHARACTERISTICS	CONCENTRATION OF DISPERSANT/APPLICATION RATE	PERIOD OF EXPOSURE	CRITERIA	COMMENTS
-	-	-	-	-	-	-

SUMMARY

DISPERSANT USE ALLOWED	AUTHORISATION PRIOR TO USE	CONNECTION TO CONTIGENCY PLAN	PREVIOUS EXPERIENCE WITH DISPERSANT USE	DISPERSANT TESTING	PRODUCT APPROVAL PROCEDURE & LIST OF APPROVED DISPERSANTS	DISPERSANT APPLICATION CAPABILITY	DISPERSANT STOCKPILES	TRAINING AND EXCERCISES	COMMENTS
Must be tried legally at each use.	Yes, from the Swedish Coast Guard	No	No	No	No	Shipboard: No Aerial: No	No	No	-

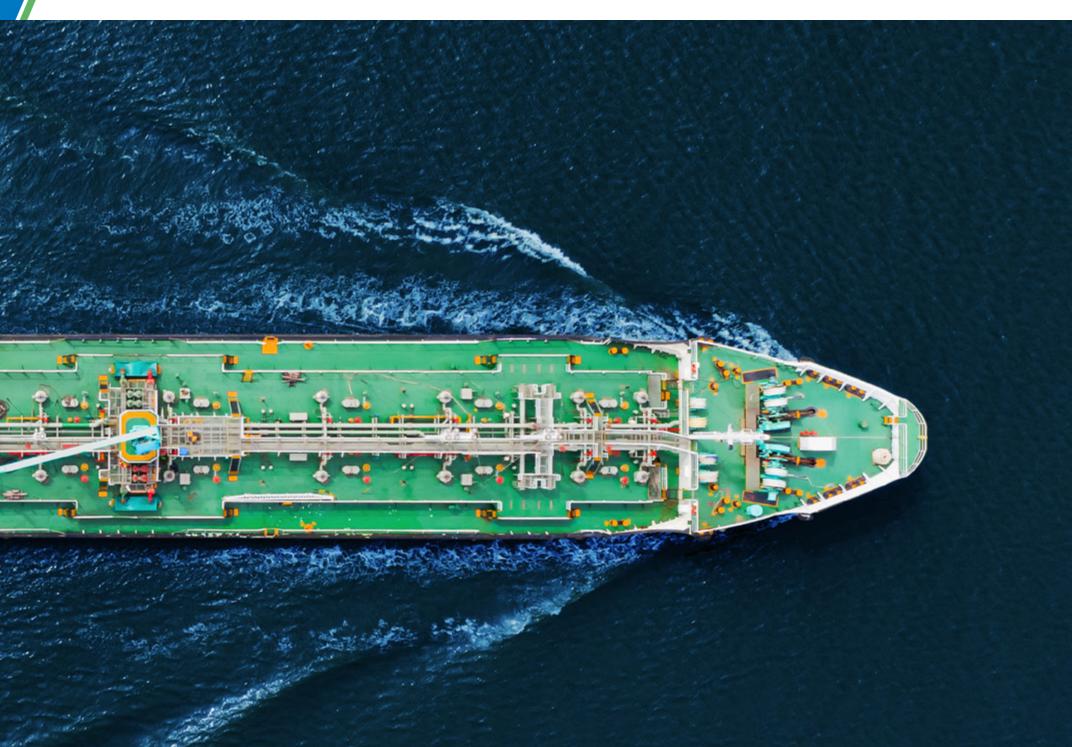




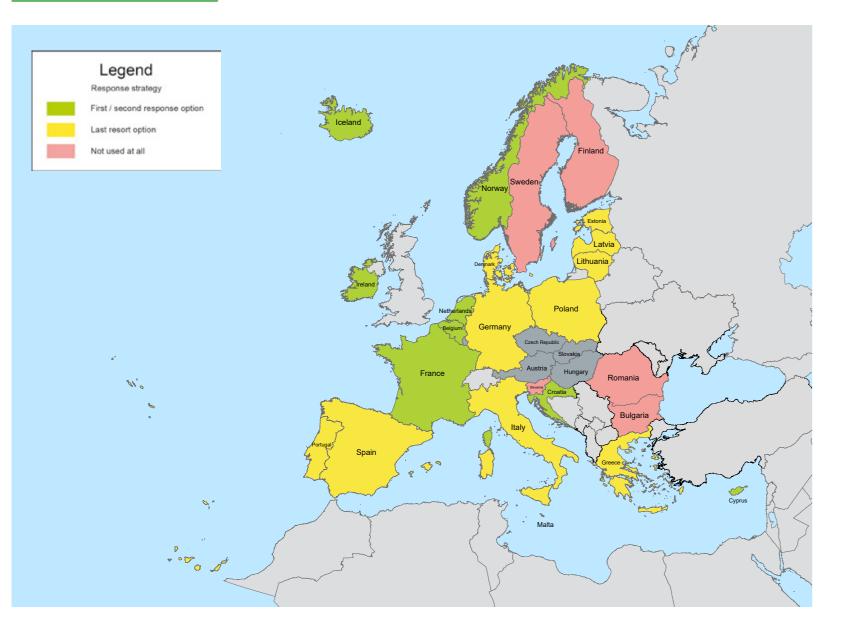
OVERVIEW DATA



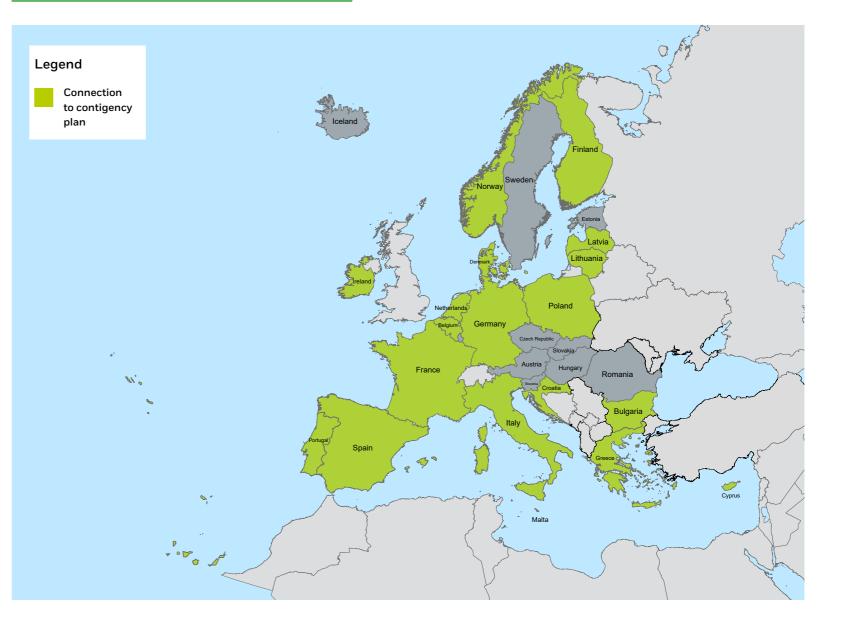
National policies on the usage of oil spill dispersants in the EU Member States



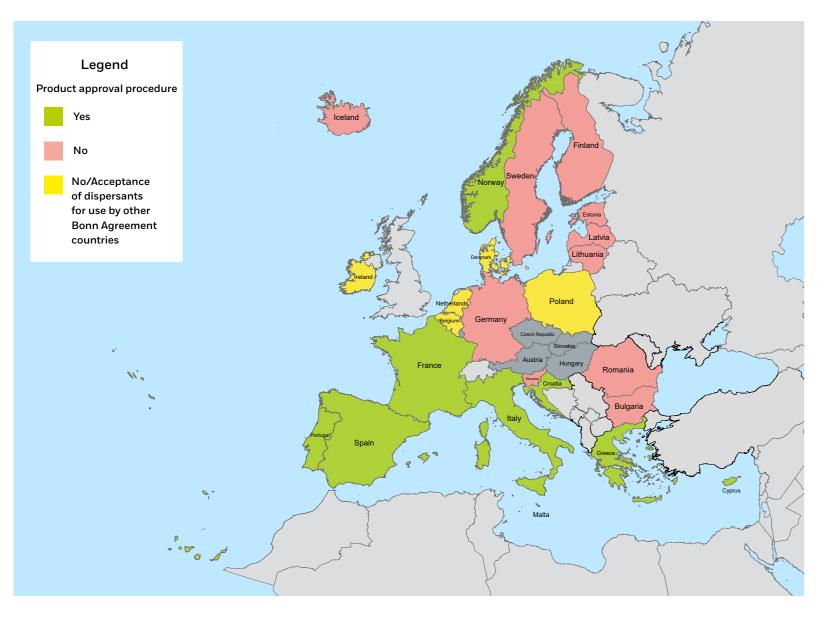
RESPONSE STRATEGY



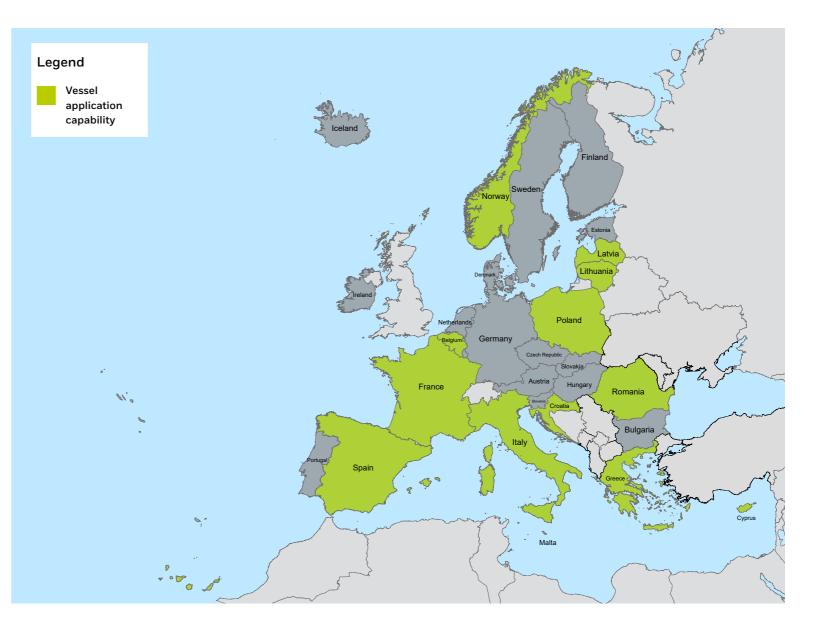
CONNECTION TO CONTIGENCY PLAN



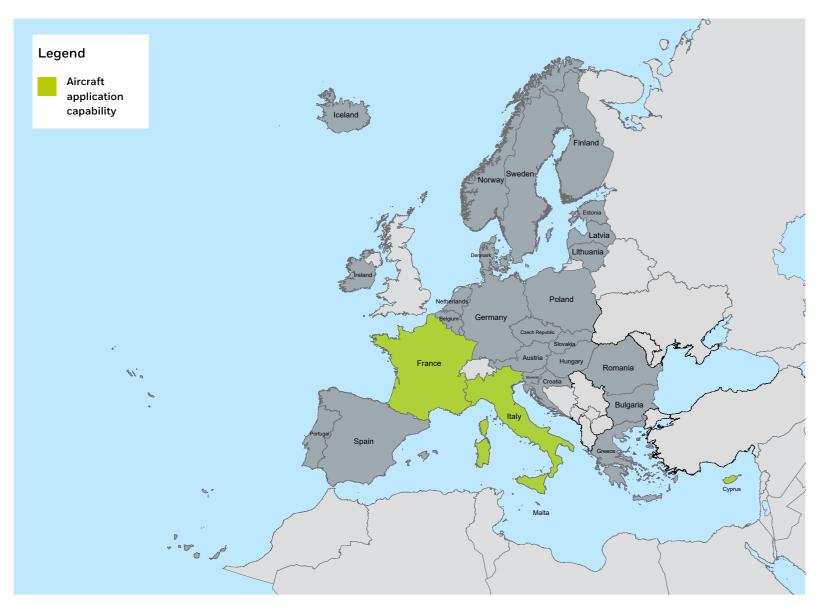
PRODUCT APPROVAL PROCEDURE



VESSEL APLICATION CAPABILITY

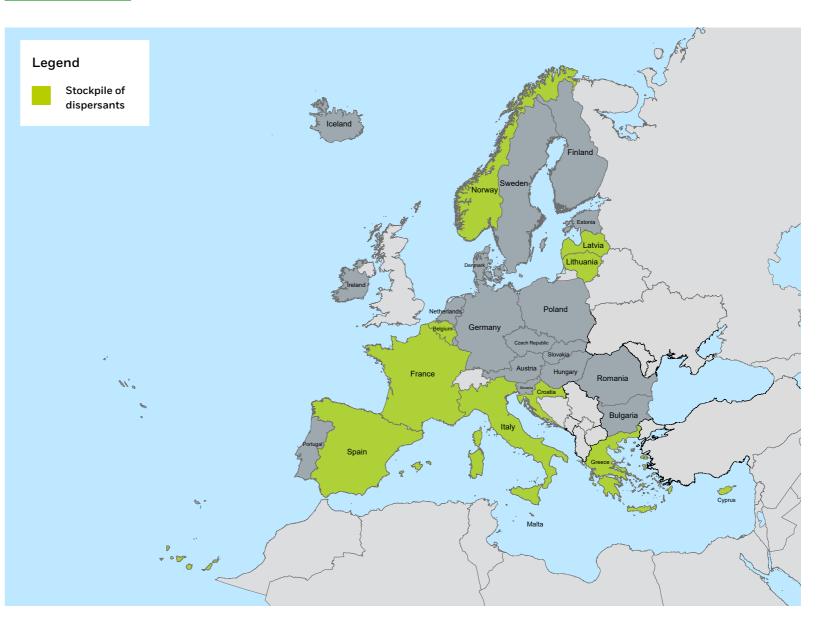


AIRCRAFT APPLICATION CAPABILITY

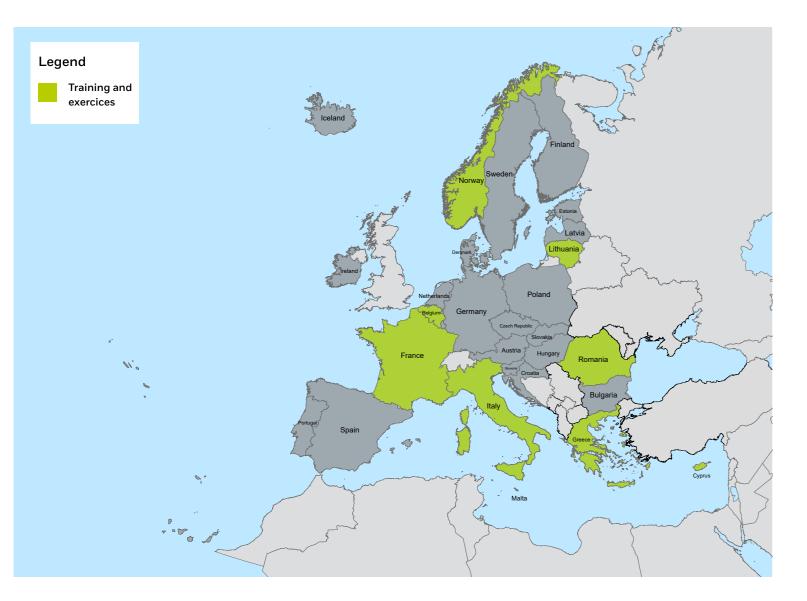


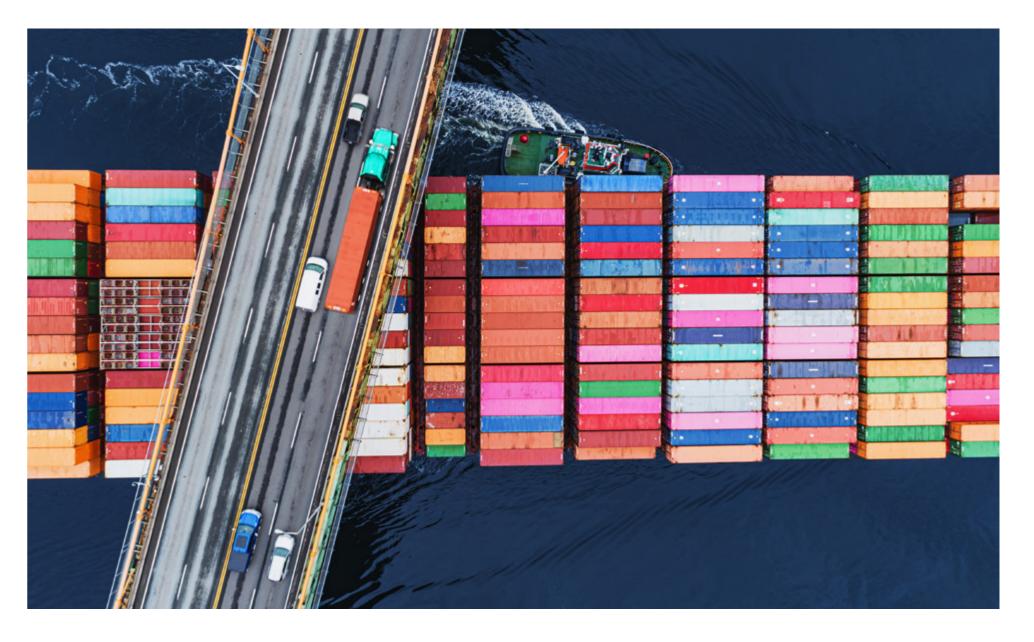
National policies on the usage of oil spill dispersants in the EU Member States

STOCKPILES



TRAINING AND EXERCICES





LIST OF OIL SPILL DISPERSANTS APPROVED FOR USE

PRODUCT NAME	TYPE*	COUNTRY
AGMA DR 379		Croatia
AGMA OSD 379 SUPER CONCENTRATE	2 and 3	Croatia & Cyprus
AGMA OSD 569	2	Croatia
AQ-11	3	Croatia
ATLANTOL AT7	3	Croatia & Cyprus
Bio Reico R93		France
BIOMATRIX GOLD		Spain
BIOPULCHER		Spain
BIOREICO R93		Croatia
BIORREMEDIACIÓN S200		Spain
BIOVERSAL HC	2 and 3	Croatia & Spain
BP ENESPERSE	3	Croatia & Cyprus
CAFLON OSD	2 and 3	Croatia
CHEMO	3	Greece
Chimec Chimsperse 6000		France
CHIMSPERSE 4000		Italy
CLEANING ECO 85		Italy
CLEANING ECO 87		Italy
COMPOUND W-2096	2 and 3	Croatia
COREXIT 9500	2 and 3	Croatia
COREXIT 9600		Croatia
Corexit EC9500A		France

LIST OF OIL SPILL DISPERSANTS APPROVED FOR USE (CONT.)

PRODUCT NAME	TYPE*	COUNTRY
DASIC SLICKGONE EW	2 and 3	Croatia
DASIC SLICKGONE LTE		Croatia & Cyprus
DASIC SLICKGONE NS	2 and 3	EMSA, Portugal, Croatia, Cyprus, France
DISPER M		Croatia
Disper M2		France
DISPEREP 12		Croatia, France
DISPEREP 12		Spain
DISPERSER-LT	3	Greece
DISPERSER-LT CONCENTRATE	2	Greece
Dispoil		France
DISPOLENE 36S		Croatia
Eflochem OSD ECO HD		France
EMULGAL C-100		Croatia, France, Cyprus
EMULSOL LW	1	Croatia
ENERSPERSE 1040	2 and 3	Croatia
FINASOL	2 and 3	Croatia
FINASOL OSR 12		Croatia & Cyprus
FINASOL OSR 121		Croatia & Cyprus
FINASOL OSR 2		Croatia & Cyprus
FINASOL OSR 4		Croatia & Cyprus
FINASOL OSR 5 CONCENTRATE		Croatia & Cyprus
Finasol OSR 51	2 and 3	France, Portugal, Croatia

LIST OF OIL SPILL DISPERSANTS APPROVED FOR USE (CONT.)

PRODUCT NAME	TYPE*	COUNTRY
Finasol OSR 52	2 and 3	France, Portugal, Cyprus, Croatia, Spain
Finasol OSR 52 IBC		France
Finasol OSR 61	2 and 3	France, Croatia
FINASOL OSR 62	2 and 3	France, Croatia
FINASOL OSR 7		Croatia
GAMLEN OD 4000 (PE 998)	2 and 3	Croatia, Cyprus
GAMLEN OSR 2000		Croatia
GAMLEN OSR 4000	1	Croatia
GAMLEN OSR LT 126		Croatia, Cyprus
GARD SLICKSOL		Croatia
GRINTEC®OIL ONLY		Spain
NIPOL IP 80		Croatia
NIPOL IP 90		Croatia
NIPOL IPC		Croatia
INNOSPEC OD 4000	3	Spain
npol IP 80		France
Inpol IP 90		France
KIT GAEXCON		Spain
MARICHEM OIL SPILL DISPERSANT	2 and 3	Greece, Croatia
MAXI-CLEAN 2	1	Croatia
MK-DISPER		Spain

LIST OF OIL SPILL DISPERSANTS APPROVED FOR USE (CONT.)

PRODUCT NAME	TYPE*	COUNTRY
NEUTRALEX C		Croatia, France
NOKOMIS 3C	2 and 3	Croatia
NU CRU	2 and 3	Croatia, France
O.S.D-2B		Croatia
OCEANIA 1000		Croatia
OD 4000 (PE 998)		France
OIL SPILL DISPERSANT KL 725	3	Greece
OIL SPILL DISPERSANT/NF	1	Croatia, Cyprus
OIL SPILL ELIMINATOR N/T		Croatia, Cyprus
OILER 60	2 and 3	Greece, Croatia
OSD/LT OIL SPILL DISPERSANT	1	Croatia
RADIAGREEN OSD	3	EMSA, france, Portugal, Croatia, Spain
RADIAGREEN OSD	2	Greece
S-200		Croatia
SEACARE ECOSPERSE	2 and 3	Croatia
SEACARE OSD	1	Croatia
SHEL DISPERSANT LTX	1	Croatia, Cyprus
SHELL DISPERSANT CONCENTRATE	2	Croatia, Cyprus
SUPER DISPERSANT 25	2 and 3	Greece, Croatia, Cyprus, France, Portugal
UNICLEAN OSD ENVIRO	2 and 3	Greece, Croatia
VECLEAN DISPERSANT	2 and 3	Croatia

* Type: 1-conventional dispersant; 2-concentrated dispersant sprayed pre-diluted; 3-concentrated dispersant, sprayed undiluted

Please note that this list is not exhaustive. Information on approved dispersants made available by the respective administrations is included.

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ABOUT THE EUROPEAN

MARITIME SAFETY AGENCY

The European Maritime Safety Agency is one of the European Union's decentralised agencies. Based in Lisbon, the Agency's mission is to ensure a high level of maritime safety, maritime security, prevention of and response to pollution from ships, as well as response to marine pollution from oil and gas installations. The overall purpose is to promote a safe, clean and economically viable maritime sector in the EU.

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