



## SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

SDS # : 30034

# FINASOL OSR 52

Date of the previous version: 2013-03-06

Revision Date: 2015-03-12

Version 7.02

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
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### 1.1. Product identifier

<b>Product name</b>	<b>FINASOL OSR 52</b>
<b>Trade name</b>	FINASOL OSR 52
<b>Substance/mixture</b>	Mixture

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

<b>Identified uses</b>	dispersant.
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### 1.3. Details of the supplier of the safety data sheet

<b>Supplier</b>	TOTAL FLUIDES 24, cours Michelet. 92800 PUTEAUX. FRANCE Tel: +33 (0)1 41 35 40 00 Fax: +33 (0)1 41 35 82 88
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#### For further information, please contact:

<b>Contact Point</b>	Service QSE : Tel : +33 (0)1 41 35 33 64 / Fax : +33 (0)1 41 35 33 50 Emergency number 24h/24h: +33 (0)1 41 35 65 00
<b>E-mail Address</b>	rmfs.fds@total.com

### 1.4. Emergency telephone number

+33 1 49 00 00 49 (24h/24, 7d/7)  
 France - ORFILA (INRS) Tél : +33 (0)1 45 42 59 59  
 In France : - PARIS : Hôpital Fernand Widal 200, rue du Faubourg Saint-Denis 75475 Paris Cédex 10 , Tel : 01.40.05.48.48. -  
 MARSEILLE : Hopital Salvator, 249 bd Ste Marguerite 13274 Marseille cedex 5, Tel : 04.91.75.25.25. - LYON : Hopital Edouard  
 Herriot, 5 place d'Arsonvol, 69437 Lyon cedex 3, Tel : 04.72.11.69.11. - NANCY : Hopital central, 29 Av du Mal De Lattre de  
 Tassigny, 54000 Nancy, Tel : 03.83.32.36.36 ou le SAMU : Tel ( 15 )

Section 2: HAZARDS IDENTIFICATION
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### 2.1. Classification of the substance or mixture

#### **REGULATION (EC) No 1272/2008**

*For the full text of the H-Statements mentioned in this Section, see Section 2.2.*

#### **Classification**

Skin corrosion/irritation - Category 2 - H315  
 Serious eye damage/eye irritation - Category 1 - H318



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**DIRECTIVE 67/548/EEC or 1999/45/EC***For the full text of the R-phrases mentioned in this Section, see Section 16***Symbol(s)**

Xi - Irritant

**Classification**

Xi;R38/41

2.2. Label elements**Labelled according to**

REGULATION (EC) No 1272/2008

Contains docusate sodium

**Signal Word**

DANGER

H315 - Causes skin irritation

H318 - Causes serious eye damage

**Precautionary Statements**

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P337 + P313 - If eye irritation persists: Get medical advice/attention

P302 + P352 - IF ON SKIN: Wash with plenty of water/soap

P332 + P313 - If skin irritation occurs: Get medical advice/attention

P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection.

P264 - Wash hands thoroughly after handling

2.3. Other hazards**Physical-Chemical Properties**

Alkaline.

Combustible liquid.

Vapors may form explosive mixtures with air, at high temperatures.

**Properties Affecting Health**

If swallowed accidentally, the product may enter the lungs due to its low viscosity and lead to the rapid development of very serious pulmonary lesions (medical survey during 48 hours).

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### Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2. Mixture

Chemical Name	EC-No	REACH registration No	CAS-No	Weight %	Classification (Dir. 67/548)	Classification (Reg. 1272/2008)
docusate sodium	209-406-4	no data available	577-11-7	20-25	Xi;R38-41	Skin Irrit. 2 (H315) Eye Dam. 1 (H318)
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	926-141-6	01-2119456620-43	^	15-20	Xn;R65 R66	Asp. Tox. 1 (H304)
(2-methoxymethylethoxy)propa nol	252-104-2	01-2119450011-60	34590-94-8	15-20	-	-
Carboxylic acids, di, C6-12 cmpds, with ethanolamine, boric acid cmpd with ethanolamine	400-180-4	no data available	^	0-2	Xi;R36/38	Eye Irrit. 2 (H319)
Ethanolamine	205-483-3	01-2119486455-28	141-43-5	0-1	Xn; R20/21/22 C; R34	Acute Tox. 4 (H302) Acute Tox. 4 (H312) Acute Tox. 4 (H332) Skin Corr. 1B (H314) STOT SE 3 (H335)

#### Additional information

EC-No 926-141-6: The EC substance definition and related classification & labelling has been developed in the framework of the Regulation (EC) No 1907/2006 (REACH). For information about the related CAS number see section 15 of this MSDS  
 >30% : Non-ionic surfactants  
 15%-30% : Anionic surfactants

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

### Section 4: FIRST AID MEASURES

#### 4.1. Description of first-aid measures

<b>General advice</b>	IN CASE OF SERIOUS OR PERSISTENT CONDITIONS, CALL A DOCTOR OR EMERGENCY MEDICAL CARE.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
<b>Skin contact</b>	Remove contaminated clothing and shoes. Wash off immediately with plenty of water for at least 15 minutes.
<b>Inhalation</b>	In case of exposure to intense concentrations of vapours, fumes or spray, transport the person away from the contaminated zone, keep warm and allow to rest.
<b>Ingestion</b>	If swallowed, do not induce vomiting - seek medical advice. Risk of product entering the lungs on vomiting after ingestion. In this case, the casualty should be sent immediately to hospital.
<b>Protection of First-aiders</b>	Use personal protective equipment.



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4.2. Most important symptoms and effects, both acute and delayed

<b>Eye contact</b>	Risk of serious damage to eyes.
<b>Skin contact</b>	Irritating to skin.
<b>Inhalation</b>	The inhalation of vapours or aerosols may be irritating for the respiratory tract and for mucous membranes.
<b>Ingestion</b>	Potential for aspiration if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May cause central nervous system depression.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

**Notes to physician**                      Treat symptomatically.

Section 5: FIRE-FIGHTING MEASURES
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5.1. Extinguishing media

<b>Suitable Extinguishing Media</b>	Foam. Dry powder. Carbon dioxide (CO <sub>2</sub> ). Water spray.
<b>Unsuitable Extinguishing Media</b>	Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

<b>Special Hazard</b>	Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot. These may be highly dangerous if inhaled in confined spaces or at high concentration.
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5.3. Advice for fire-fighters

<b>Special protective equipment for fire-fighters</b>	In case of a large fire or in confined or poorly ventilated spaces, wear full fire resistant protective clothing and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
<b>Other information</b>	Cool containers / tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Section 6: ACCIDENTAL RELEASE MEASURES
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6.1. Personal precautions, protective equipment and emergency procedures

<b>General Information</b>	Use personal protective equipment. Evacuate non-essential personnel. Ensure adequate ventilation, especially in confined areas. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Do not touch or walk through spilled material.
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### 6.2. Environmental precautions

**General Information** Prevent further leakage or spillage if safe to do so. Dike to collect large liquid spills. The product should not be allowed to enter drains, water courses or the soil. Local authorities should be advised if significant spillages cannot be contained.

### 6.3. Methods and materials for containment and cleaning up

**Methods for cleaning up** Soak up with inert absorbent material. Keep in suitable, closed containers for disposal. Following product recovery, flush area with water.

### 6.4. Reference to other sections

**Personal Protective Equipment** See Section 8 for more detail.

**Waste treatment** See section 13.

**Other information** Remove all sources of ignition.

## Section 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

**Advice on safe handling** For personal protection see section 8.  
Use only in well-ventilated areas.  
Do not breathe vapors or spray mist.  
Avoid contact with skin and eyes.

**Technical measures** Ensure adequate ventilation.

**Prevention of fire and explosion** Handle away from any source of ignition (open flame and sparks) and heat (hot manifolds or casings).  
Design installations (machinery and equipment) to prevent burning product from spreading (tanks, retention systems, interceptors (traps) in drainage systems).

**Hygiene measures** Ensure the application of strict rules of hygiene by the personnel exposed to the risk of contact with the product.  
When using, do not eat, drink or smoke.  
Do not dry hands with rags that have been contaminated with product.

### 7.2. Conditions for safe storage, including any incompatibilities

**Technical measures/Storage conditions** Storage installations should be designed with adequate bunds so as to prevent ground or water pollution in case of leaks or spills.  
Keep away from heat and sources of ignition.  
Keep container tightly closed.

**Materials to Avoid** Strong acids, Oxidizing agents.

**Packaging material** Keep only in the original container or in a suitable container for this kind of product: steel , Stainless steel.



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7.3. Specific end uses

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters**Exposure limits**

Ingredients with workplace control parameters

Chemical Name	European Union	France
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics ^		vapeurs C6-C12 : VME=1000mg/m <sup>3</sup> VLE=1500mg/m <sup>3</sup>
(2-methoxymethylethoxy)propanol 34590-94-8	TWA 50 ppm TWA 308 mg/m <sup>3</sup> S*	VME 50 ppm VME 308 mg/m <sup>3</sup> P*
Ethanolamine 141-43-5	TWA 1 ppm TWA 2.5 mg/m <sup>3</sup> STEL 3 ppm STEL 7.6 mg/m <sup>3</sup> S*	VME 1 ppm VME 2.5 mg/m <sup>3</sup> VLCT 3 ppm VLCT 7.6 mg/m <sup>3</sup> P*

Legend

See section 16

**DNEL Worker (Industrial/Professional)**

Chemical Name	Short term, systemic effects	Short term, local effects	Long term, systemic effects	Long term, local effects
docusate sodium 577-11-7			31.3 mg/kg bw/day (dermal) 44.1 mg/m <sup>3</sup> (inhalation)	
(2-methoxymethylethoxy)propanol 34590-94-8			65 mg/kg bw/day (dermal) 310 mg/m <sup>3</sup> (inhalation)	

**DNEL General population**

Chemical Name	Short term, systemic effects	Short term, local effects	Long term, systemic effects	Long term, local effects
docusate sodium 577-11-7			18.8 mg/kg bw/day (dermal) 13 mg/m <sup>3</sup> (inhalation) 18.8 mg/kg bw/day (oral)	
(2-methoxymethylethoxy)propanol 34590-94-8			15 mg/kg bw/day (dermal) 37.2 mg/m <sup>3</sup> (inhalation) 1.67 mg/kg bw/day (oral)	

**Predicted No Effect Concentration (PNEC)**

Chemical Name	Water	Sediment	Soil	Air	STP	Oral
docusate sodium 577-11-7	0.0066 mg/l (fw) 0.00066 mg/l (mw) 0.066 mg/l (or)	0.653 mg/kg dw (fw) 0.0653 mg/kg dw (mw)	0.138 mg/kg dw		122 mg/l	



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(2-methoxymethyl ethoxy)propanol 34590-94-8	19 mg/l (fw) 1.9 mg/l (mw) 190 mg/l (or)	70.2 mg/kg d.w. (fw) 7.02 mg/kg d.w. (mw)	2.74 mg/kg d.w.		4168 mg/l	
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8.2. Exposure controls**Occupational Exposure Controls****Engineering Measures**

Apply technical measures to comply with the occupational exposure limits.

**Personal Protective Equipment****General Information**

These recommendations apply to the product as supplied.  
If the product is used in mixtures, it is recommended that you contact the appropriate protective equipment suppliers.

**Respiratory protection**

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

**Eye Protection**

Safety glasses with side-shields.  
If splashes are likely to occur, wear: Face-shield.

**Skin and body protection**

Wear suitable protective clothing. Protective shoes or boots.

**Hand Protection**

Nitrile rubber, Neoprene gloves.  
Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

**Environmental exposure controls****General Information**

None in normal conditions.

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties**Color**

orange

**Physical State @20°C**

liquid

**Odor**

Petroleum solvent

**Property****Values****Remarks****Method****pH**

9 - 10.5

ASTM D 1172

**Boiling point/boiling range**

&gt; 150 °C

&gt; 302 °F

**Flash point**

&gt;= 93 °C

&gt;= 199 °F

ASTM D 93

ASTM D 93

**Evaporation rate**

No information available



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<b>Flammability Limits in Air</b>		No information available	
<b>Vapor Pressure</b>	40 hPa	@ 30 °C	ASTM D 5191
<b>Vapor density</b>		No information available	
<b>Density</b>	990 - 1015 kg/m <sup>3</sup>	@ 20 °C	ISO 12185
<b>Water solubility</b>		No information available	
<b>Solubility in other solvents</b>		No information available	
<b>logPow</b>		Not applicable	
<b>Autoignition temperature</b>		No information available	
<b>Viscosity, kinematic</b>	30.1 - 36.7 mm <sup>2</sup> /s	@ 40 °C	DIN 51162
<b>Explosive properties</b>	Not explosive		
<b>Oxidizing Properties</b>	No information available		
<b>Possibility of hazardous reactions</b>	No data available		

9.2. Other information

<b>Pour point</b>	-37 °C	ISO 3016
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Section 10: STABILITY AND REACTIVITY
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10.1. Reactivity

**General Information** None under normal processing.

10.2. Chemical stability

**Stability** Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

**Hazardous Reactions** None under normal processing.

10.4. Conditions to Avoid

**Conditions to Avoid** Heat, flames and sparks. Take precautionary measures against static discharges.

10.5. Incompatible Materials

**Materials to Avoid** Strong acids, Oxidizing agents.

10.6. Hazardous Decomposition Products

**Hazardous Decomposition Products** Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot.

Section 11: TOXICOLOGICAL INFORMATION
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11.1. Information on toxicological effects

**Acute toxicity Local effects Product Information**





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<b>Skin contact</b>	. Irritating to skin.
<b>Eye contact</b>	. Risk of serious damage to eyes.
<b>Inhalation</b>	Not classified. The inhalation of vapours or aerosols may be irritating for the respiratory tract and for mucous membranes.
<b>Ingestion</b>	Not classified. Potential for aspiration if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May cause central nervous system depression.

**Acute toxicity - Component Information**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
docusate sodium	> 2100 mg/kg ( Rat )	> 10000 mg/kg ( Rabbit )	
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	LD50 > 5000 mg/kg bw (rat - OECD 401)	LD50 (24h) > 5000 mg/kg bw (rabbit - OECD 402)	
(2-methoxymethylethoxy)propanol	LD50 > 5000 mg/kg ( Rat )	LD50 9510 mg/kg ( Rabbit )	LC50 (7h) 3.35 mg/l (Rat - aerosol)
Ethanolamine	LD50 1510 mg/kg ( Rat )	LD50 1000 mg/kg ( Rabbit )	

**Sensitization**

**Sensitization** Not classified as a sensitizer.

**Specific effects**

**Carcinogenicity** Contains no ingredient listed as a carcinogen.  
**Mutagenicity** Contains no ingredient listed as a mutagen.  
**Reproductive toxicity** Contains no ingredient listed as toxic to reproduction.

**Repeated Dose Toxicity****Target Organ Effects (STOT)**

**Specific target organ systemic toxicity (single exposure)** No known effect based on information supplied.

**Specific target organ systemic toxicity (repeated exposure)** No known effect based on information supplied.

**Other information**

**Other adverse effects** Frequent or prolonged skin contact destroys the lipoid cutaneous layer and may cause dermatitis.

## Section 12: ECOLOGICAL INFORMATION

## 12.1. Toxicity



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Not classified.

**Acute aquatic toxicity - Product Information**

No information available.

**Acute aquatic toxicity - Component Information**

Chemical Name	Toxicity to algae	Toxicity to daphnia and other aquatic invertebrates	Toxicity to fish	Toxicity to microorganisms
docusate sodium 577-11-7		EC50 (48h) = 6.6 mg/l Daphnia magna	LC50 (96h) = 49 mg/l Brachydanio rerio (semi-static)	
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics ^	ErL50 (72h) > 1000 mg/l (Pseudokirchneriella subcapitata - OECD 201) EbL50 (72h) > 1000 mg/l (Pseudokirchneriella subcapitata - OECD 201)	EL50 (48h) > 1000 mg/l (Daphnia magna - OECD 202)	LL50 (96h) > 1000 mg/l (Oncorhynchus mykiss - OECD 203)	-
(2-methoxymethylethoxy)pro panol 34590-94-8		LC50 (48h) = 1919 mg/L Daphnia magna	LC50 (96h) > 1000 mg/l (Poecilia reticulata - static)	
Ethanolamine 141-43-5	EC50 (72h) = 15 mg/L Desmodesmus subspicatus	EC50 (48h) = 65 mg/L Daphnia magna	LC50 (96h) 150 mg/l Oncorhynchus mykiss	EC50 = 13.7 mg/L 30 min EC50 = 110 mg/L 17 h EC50 = 12200 mg/L 2 h

**Chronic aquatic toxicity - Product Information**

No information available.

**Chronic aquatic toxicity - Component Information**

Chemical Name	Toxicity to algae	Toxicity to daphnia and other aquatic invertebrates	Toxicity to fish	Toxicity to microorganisms
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics ^	NOELR (72h) = 1000 mg/l (Pseudokirchneriella subcapitata - biomass - OECD 201) NOELR (72h) = 1000 mg/l (Pseudokirchneriella subcapitata - growth rate - OECD 201)	NOELR (21d) = 1,22 mg/l (Daphnia magna - QSAR Petrotox)	NOELR (28d) = 0,17 mg/l (Oncorhynchus mykiss - QSAR Petrotox)	

**Effects on terrestrial organisms**

No information available.

**12.2. Persistence and degradability****General Information**

For .. Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics.

Biodegradation						
Type	Method	Sampling time	Specific effects	Values	Unit	Biodegradability
	OECD 301 F	28 days		69	%	Readily biodegradable



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12.3. Bioaccumulative potential**Product Information** No information available.**logPow** Not applicable**Component Information**

Chemical Name	log Pow
(2-methoxymethylethoxy)propanol - 34590-94-8	1.01
Ethanolamine - 141-43-5	-1.91

12.4. Mobility in soil**Soil** Given its physical and chemical characteristics, the product is generally mobile in the ground.**Air** The product evaporates readily.**Water** soluble.12.5. Results of PBT and vPvB assessment**PBT and vPvB assessment** This product contains no substance considered as PBT and/or vPvB according to REACH regulation annex XIII criteria.12.6. Other adverse effects**General Information** No information available.

## Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods**Waste from Residues / Unused Products** Dispose of in accordance with the European Directives on waste and hazardous waste.**Contaminated packaging** Empty containers should be taken to an approved waste handling site for recycling or disposal. Empty containers may contain flammable or explosive vapors.**EWC Waste Disposal No.** According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

## Section 14: TRANSPORT INFORMATION

ADR/RID Not regulatedIMDG/IMO Not regulated



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ICAO/IATA

Not regulated

ADN**UN/ID No**

UN9003

**Proper shipping name**

Substances with a flash-point above 60 degrees C and not more than 100 degrees C

**Proper shipping name**

SUBSTANCES WITH A FLASH POINT ABOVE 60°C AND NOT MORE THAN 100°C

**Hazard class**

9

**Description**

UN9003, Substances with a flash-point above 60 degrees C and not more than 100 degrees C, 9

## Section 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

**Related CAS**

64742-47-8: Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, &lt;2% aromatics

## International Inventories

All the substances contained in this product are listed or exempted from listing in the following inventories:

U.S.A. (TSCA)

Canada (DSL/NDSL)

Europe (EINECS/ELINCS/NLP)

Australia (AICS)

Korea (KECL)

China (IECSC)

Japan (ENCS)

Philippines (PICCS)

New Zealand (NZIoC)

Further information

No information available

15.2. Chemical Safety Assessment**Chemical Safety Assessment**

No information available

15.3. National regulatory information**France**

- France - Art. R. 4624-18 to 4624-19 of the labour code (Special medical surveillance).



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Occupational Illnesses

FR - Art. L 461-6, Art. D.461-1, annexe A, n° 601 (Table of occupational illnesses and diseases)

Chemical Name	Occupational Illnesses
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics ^	RG 84
(2-methoxymethylethoxy)propanol 34590-94-8	RG 84
Ethanolamine 141-43-5	RG 49, RG 49bis

## Section 16: OTHER INFORMATION

**Full text of R-phrases referred to under sections 2 and 3**

R34 - Causes burns  
 R38 - Irritating to skin  
 R41 - Risk of serious damage to eyes  
 R65 - Harmful: may cause lung damage if swallowed  
 R66 - Repeated exposure may cause skin dryness or cracking  
 R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed  
 R36/38 - Irritating to eyes and skin

**Full text of H-Statements referred to under sections 2 and 3**

H302 - Harmful if swallowed  
 H304 - May be fatal if swallowed and enters airways  
 H314 - Causes severe skin burns and eye damage  
 H312 - Harmful in contact with skin  
 H315 - Causes skin irritation  
 H318 - Causes serious eye damage  
 H319 - Causes serious eye irritation  
 H332 - Harmful if inhaled

**Abbreviations, acronyms**

bw = body weight  
 bw/day = body weight/day  
 dw = dry weight  
 mw = marine water  
 fw = fresh water  
 UVCB = Substance of unknown or Variable composition, Complex reaction products or Biological material  
 LD50 = 50% Lethal Dose - Chemical amount, given at once, which causes the death of 50% (one half) of a group of test animals  
 LC50 = 50% Lethal concentration - Concentration of a chemical in air or a chemical in water which causes the death of 50% (one half) of a group of test animals  
 LL = Lethal Loading  
 OECD = Organization for Economic Co-operation and Development

## Legend Section 8

TWA: Time Weight Average

STEL: Short Time Exposure Limit

+	Sensitizer	*	Skin designation
**	Hazard Designation	C:	Carcinogen
M:	Mutagen	R:	Toxic to reproduction



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**Revision Date:** 2015-03-12  
**Revision Note** (M)SDS sections updated: 3, 10, 12, 15, 16.**This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**

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**This safety data sheet serves to complete but not to replace the technical product sheets. The information contained herein is given in good faith and is accurate to the best of knowledge at the date indicated above. It is understood by the user that any use of the product for purposes other than those for which it was designed entails potential risk. The information given herein in no way dispenses the user from knowing and applying all provisions regulating his activity. The user bears sole liability for the precautions required when using the product. The regulatory texts indicated herein are intended to aid the user to fulfil his obligations. This list is not to be considered complete and exhaustive. It is the user's responsibility to ensure that he is subject to no other obligations than those mentioned.**

**End of the safety data sheet**