

**YANNIDIS BROS S.A.****EUMARIA ANTIFOULING ULTRA MULTI**Revision nr. 1  
Dated 06/11/2015  
Printed on 2/12/2015  
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## Safety Data Sheet

### SECTION 1. Identification of the substance/mixture and of the company/undertaking

**1.1. Product identifier**

Product name

**EUMARIA ANTIFOULING ULTRA MULTI****1.2. Relevant identified uses of the substance or mixture and uses advised against**

Intended use

**Antifouling Paint****1.3. Details of the supplier of the safety data sheet**Name  
Full address  
District and Country**YANNIDIS BROS S.A.  
IMEROS TOPOS  
19300 ASPROPYRGOS (ATTIKI)  
GREECE****Tel. (0030) 2105589400****Fax (0030) 2105597859**

e-mail address of the competent person

responsible for the Safety Data Sheet  
Product distribution by**captain@eumaria.com  
YANNIDIS BROS S.A.****1.4. Emergency telephone number**

For urgent inquiries refer to

**(0030) 2105589400****(0030) 2107793777**

### SECTION 2. Hazards identification.

**2.1. Classification of the substance or mixture.**

The product is classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of EC Regulation 1907/2006 and subsequent amendments. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

Flammable liquid, category 3	H226	Flammable liquid and vapour.
Specific target organ toxicity - single exposure, category 3	H335	May cause respiratory irritation.
Skin sensitization, category 1	H317	May cause an allergic skin reaction.
Specific target organ toxicity - single exposure, category 3	H336	May cause drowsiness or dizziness.
Hazardous to the aquatic environment, acute toxicity, category 1	H400	Very toxic to aquatic life.
Hazardous to the aquatic environment, chronic toxicity, category 1	H410	Very toxic to aquatic life with long lasting effects.

**2.2. Label elements.**

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.



Signal words:

Warning

**EUMARIA ANTIFOULING ULTRA MULTI**

## Hazard statements:

<b>H226</b>	Flammable liquid and vapour.
<b>H335</b>	May cause respiratory irritation.
<b>H317</b>	May cause an allergic skin reaction.
<b>H336</b>	May cause drowsiness or dizziness.
<b>H410</b>	Very toxic to aquatic life with long lasting effects.
<b>EUH032</b>	Contact with acids liberates very toxic gas.
<b>EUH066</b>	Repeated exposure may cause skin dryness or cracking.

## Precautionary statements:

<b>P101</b>	If medical advice is needed, have product container or label at hand.
<b>P102</b>	Keep out of reach of children.
<b>P210</b>	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
<b>P261</b>	Avoid breathing dust / fume / gas / mist / vapours / spray.
<b>P280</b>	Wear protective gloves/protective clothing/eye protection/face protection.
<b>P312</b>	Call a POISON CENTER / doctor / . . . / if you feel unwell.
<b>P333+P313</b>	If skin irritation or rash occurs: Get medical advice / attention.
<b>P501</b>	Dispose of contents / container to . . .

<b>Contains:</b>	COPPER THIOCYANATE HYDROCARBONS, C9, AROMATICS  ZINEB
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**2.3. Other hazards.**

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

**SECTION 3. Composition/information on ingredients.****3.1. Substances.**

Information not relevant.

**3.2. Mixtures.**

Contains:

<b>Identification.</b>	<b>Conc. %.</b>	<b>Classification 1272/2008 (CLP).</b>
<b>HYDROCARBONS, C9, AROMATICS</b>		
CAS. 64742-95-6	20 - 30	Flam. Liq. 3 H226, Asp. Tox. 1 H304, STOT SE 3 H335, STOT SE 3 H336, Aquatic Chronic 2 H411, EUH066, Note P
EC. 918-668-5		
INDEX. 649-356-00-4		
Reg. no. 01-2119455851-35-XXXX		
<b>COPPER THIOCYANATE</b>		
CAS. 1111-67-7	18,2 - 18,8	Acute Tox. 4 H302+H312+H332, Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410, EUH032
EC. 214-183-1		
INDEX. -		
Reg. no. 05-2116410430-66-XXXX		
<b>ZINC OXIDE</b>		
CAS. 1314-13-2	10 - 15	Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410
EC. 215-222-5		
INDEX. 030-013-00-7		
<b>ROSIN</b>		
CAS. 8050-09-7	8 - 12	Skin Sens. 1 H317
EC. 232-475-7		



INDEX. 650-015-00-7

**XYLENE (MIXTURE OF ISOMERS)**

CAS. 1330-20-7

3 - 9,9

Flam. Liq. 3 H226, Acute Tox. 4 H312, Acute Tox. 4 H332, Asp. Tox. 1 H304, STOT RE 2 H373, Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335, Note C

EC. 215-535-7

INDEX. 601-022-00-9

Reg. no. 01-2119488216-XXXX

**ZINEB**

CAS. 12122-67-7

2,72 - 2,78

STOT SE 3 H335, Skin Sens. 1 H317

EC. 235-180-1

INDEX. 006-078-00-2

**PROPYLATED TRIPHENYL PHOSPHATE**

CAS. 68937-41-7

1 - 2

Repr. 2 H361fd, STOT RE 2 H373, Aquatic Chronic 2 H411

EC. 273-066-3

INDEX. -

**TRIPHENYL PHOSPHATE**

CAS. 115-86-6

0,5 - 1

Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410

EC. 201-112-2

INDEX. -

Note: Upper limit is not included into the range.  
The full wording of hazard (H) phrases is given in section 16 of the sheet.

**SECTION 4. First aid measures.****4.1. Description of first aid measures.**

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention immediately. Wash contaminated clothing before using it again.

INHALATION: Remove to open air. If the subject stops breathing, administer artificial respiration. Get medical advice/attention immediately.

INGESTION: Get medical advice/attention immediately. Do not induce vomiting. Do not administer anything not explicitly authorised by a doctor.

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

For symptoms and effects caused by the contained substances, see chap. 11.

**4.3. Indication of any immediate medical attention and special treatment needed.**

Information not available.

**SECTION 5. Firefighting measures.****5.1. Extinguishing media.****SUITABLE EXTINGUISHING EQUIPMENT**

Extinguishing substances are: carbon dioxide and chemical powder. For product loss or leakage that has not caught fire, water spray can be used to disperse flammable vapours and protect those trying to stem the leak.

**UNSUITABLE EXTINGUISHING EQUIPMENT**

Do not use jets of water.

Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions.

**5.2. Special hazards arising from the substance or mixture.****HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE**

If large quantities of the product are involved in a fire, they can make it considerably worse. Do not breathe combustion products.



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### 5.3. Advice for firefighters.

#### GENERAL INFORMATION

In the case of fire, use jets of water to cool the containers to prevent the risk of explosions (product decomposition and excess pressure) and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Remove all containers containing the product from the fire, if it is safe to do so.

#### SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

## SECTION 6. Accidental release measures.

### 6.1. Personal precautions, protective equipment and emergency procedures.

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

### 6.2. Environmental precautions.

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

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

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Check incompatibility for container material in section 7. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

### 6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13.

## SECTION 7. Handling and storage.

### 7.1. Precautions for safe handling.

Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. Without adequate ventilation, vapours may accumulate at ground level and, if ignited, catch fire even at a distance, with the danger of backfire. Avoid bunching of electrostatic charges. In order to avoid the risk of fires and explosions, never use compressed air when handling. Open containers with caution as they may be pressurised.

Ensure that there is an adequate earthing system for the equipment and personnel. Avoid contact with eyes and skin. Do not breathe powders, vapours or mists. Do not eat, drink or smoke during use. Wash hands after use. Avoid leakage of the product into the environment.

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

Store in a well ventilated place, keep far away from sources of heat, naked flames and sparks and other sources of ignition.

Store only in the original container. Store in a ventilated and dry place, far away from sources of ignition. Keep containers well sealed. Keep the product in clearly labelled containers. Avoid overheating. Avoid violent blows. Keep containers away from any incompatible materials, see section 10 for details.

### 7.3. Specific end use(s).

Information not available.

## SECTION 8. Exposure controls/personal protection.

### 8.1. Control parameters.

Regulatory References:



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## EUMARIA ANTIFOULING ULTRA MULTI

BGR	България	МИНИСТЕРСТВО НА ТРУДА И СОЦИАЛНАТА ПОЛИТИКА МИНИСТЕРСТВО НА ЗДРАВЕОПАЗВАНЕТО НАРЕДБА No 13 от 30 декември 2003 г
CZE	Česká Republika	Nařízení vlády č. 361/2007 Sb. kterým se stanoví podmínky ochrany zdraví při práci
GRB	United Kingdom	EH40/2005 Workplace exposure limits
GRC	Ελλάδα	ΕΦΗΜΕΡΙΣ ΤΗΣ ΚΥΒΕΡΝΗΣΕΩΣ -ΤΕΥΧΟΣ ΠΡΩΤΟ Αρ. Φύλλου 19 - 9 Φεβρουαρίου 2012
HRV	Hrvatska	NN13/09 - Ministarstvo gospodarstva, rada i poduzetništva
HUN	Magyarország	50/2011. (XII. 22.) NGM rendelet a munkahelyek kémiai biztonságáról
EU	OEL EU TLV-ACGIH	Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC. ACGIH 2014

### HYDROCARBONS, C9, AROMATICS

Threshold Limit Value.					
Type	Country	TWA/8h		STEL/15min	
		mg/m3	ppm	mg/m3	ppm
OEL	EU	100			

### Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers. Acute local	Acute systemic	Chronic local	Chronic systemic	Effects on workers			
					Acute local	Acute systemic	Chronic local	Chronic systemic
Oral.			VND	11 mg/kg/d				
Inhalation.			VND	150 mg/m3			VND	32 mg/m3
Skin.			VND	11 mg/kg/d			VND	25 mg/kg/d

### XYLENE (MIXTURE OF ISOMERS)

Threshold Limit Value.					
Type	Country	TWA/8h		STEL/15min	
		mg/m3	ppm	mg/m3	ppm
TLV	BGR	221		442	SKIN.
TLV	CZE	200		400	SKIN.
WEL	GRB	220	50	441	100
TLV	GRC	435	100	650	150
GVI	HRV	221	50	442	100
AK	HUN	221		442	SKIN.
OEL	EU	221	50	442	100
TLV-ACGIH		434	100	651	150

### Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers. Acute local	Acute systemic	Chronic local	Chronic systemic	Effects on workers			
					Acute local	Acute systemic	Chronic local	Chronic systemic
Oral.			VND	1,6 mg/kg/d				
Inhalation.	174 mg/m3	174 mg/m3	VND	14,8 mg/m3	289 mg/m3	289 mg/m3	VND	77 mg/m3
Skin.			VND	108 mg/kg/d			VND	180 mg/kg/d

### TRIPHENYL PHOSPHATE

Threshold Limit Value.					
Type	Country	TWA/8h		STEL/15min	
		mg/m3	ppm	mg/m3	ppm
WEL	GRB	3		6	

#### Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.  
 VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified.

#### 8.2. Exposure controls.

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration. Personal protective equipment must be CE marked, showing that it complies with applicable standards.



Provide an emergency shower with face and eye wash station.

If the product may or must come into contact or react with acids, suitable technical and/or organisational measures should be taken to prevent the development of toxic and/or inflammable gases.

#### HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

#### SKIN PROTECTION

Wear category II professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

Consider the appropriateness of providing antistatic clothing in the case of working environments in which there is a risk of explosion.

#### EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).

#### RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

#### ENVIRONMENTAL EXPOSURE CONTROLS.

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

## SECTION 9. Physical and chemical properties.

### 9.1. Information on basic physical and chemical properties.

Appearance	liquid
Colour	as showed in color folder
Odour	characteristic
Odour threshold.	Not available.
pH.	Not available.
Melting point / freezing point.	Not available.
Initial boiling point.	Not available.
Boiling range.	Not available.
Flash point.	23 < T < 60 °C
Evaporation Rate	Not available.
Flammability of solids and gases	Not available.
Lower inflammability limit.	Not available.
Upper inflammability limit.	Not available.
Lower explosive limit.	Not available.
Upper explosive limit.	Not available.
Vapour pressure.	Not available.
Vapour density	Not available.
Relative density.	1,470 Kg/l
Solubility	immiscible with water
Partition coefficient: n-octanol/water	Not available.
Auto-ignition temperature.	Not available.
Decomposition temperature.	Not available.
Viscosity	90-110KU
Explosive properties	Not available.
Oxidising properties	Not available.

### 9.2. Other information.

Information not available.

## SECTION 10. Stability and reactivity.

### 10.1. Reactivity.

Information not available.

**10.2. Chemical stability.**

Information not available.

**10.3. Possibility of hazardous reactions.**

Contact with string acids causes the development of toxic gases.

XYLENE (MIXTURE OF ISOMERS): stable, but may develop violent reactions in the presence of strong oxidising agents such as sulphuric and nitric acids and perchlorates. May form explosive mixtures with the air.

**10.4. Conditions to avoid.**

Avoid overheating.

**10.5. Incompatible materials.**

Strong acids.

**10.6. Hazardous decomposition products.**

Information not available.

**SECTION 11. Toxicological information.****11.1. Information on toxicological effects.**

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification. It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

Acute effects: inhalation of this product may irritate the lower and upper respiratory tract and cause cough and respiratory disorders; at higher concentrations it can also cause pulmonary edema. Ingestion may cause health problems, including stomach pain and sting, nausea and sickness.

Upon contact with skin, this product causes sensitization (dermatitis). Dermatitis derives from skin irritation on the areas which repeatedly come into contact with the sensitizing agent. Cutaneous lesions may include: erythemas, edemas, papules, vesicles, pustules, scurries, ulcerations and exudative phenomena, whose intensity varies according to illness seriousness and affected areas. Erythemas, edemas and exudative phenomena prevail during the acute phase. Scurfy skin, dryness, ulcerations and skin thickening prevail during the chronic phase.

This product contains highly volatile substances, which may cause serious depression of the central nervous system (CNS) and have negative effects, such as drowsiness, dizziness, slow reflexes, narcosis.

This product generates highly toxic harmful gases upon contact with acids.

This product may have a degreasing action on the skin, producing dryness and chapped skin after repeated exposure.

XYLENE (MIXTURE OF ISOMERS): has a toxic effect on the CNS (encephalopathies). Irritating to the skin, conjunctivae, cornea and respiratory apparatus.

**COPPER THIOCYANATE**

LD50 (Oral).> 300 mg/kg Rat

LD50 (Dermal).> 2000 mg/kg Rat

LC50 (Inhalation).> 5,86 mg/L Rat

**XYLENE (MIXTURE OF ISOMERS)**

LD50 (Oral).> 2000 mg/kg Rat

LC50 (Inhalation).> 10 mg/l/4h Rat

**HYDROCARBONS, C9, AROMATICS**

LD50 (Oral).> 2000 mg/kg Rat

LD50 (Dermal).> 2000 mg/kg Rabbit

LC50 (Inhalation).> 20 mg/l/4h

**PROPYLATED TRIPHENYL PHOSPHATE**

LD50 (Oral).> 2350 mg/kg Rat

LD50 (Dermal).> 2000 mg/kg Rabbit

LC50 (Inhalation).200 mg/m3 Rat

**SECTION 12. Ecological information.**

This product is dangerous for the environment and highly toxic for aquatic organisms. In the long term, it have negative effects on aquatic environment.

**12.1. Toxicity.****XYLENE (MIXTURE OF ISOMERS)**

LC50 - for Fish.	> 1 mg/l/96h
EC50 - for Crustacea.	> 1 mg/l/48h
EC50 - for Algae / Aquatic Plants.	> 1 mg/l/72h
Chronic NOEC for Fish.	> 1 mg/l based on test data
Chronic NOEC for Crustacea.	> 0,1 mg/l

**HYDROCARBONS, C9, AROMATICS**

LC50 - for Fish.	> 1 mg/l/96h
EC50 - for Crustacea.	> 1 mg/l/48h
EC50 - for Algae / Aquatic Plants.	> 1 mg/l/72h
Chronic NOEC for Fish.	> 1 mg/l based on modeled data
Chronic NOEC for Crustacea.	> 1 mg/l based on modeled data

**TRIPHENYL PHOSPHATE**

LC50 - for Fish.	0,36 mg/l/96h Rainbow Trout
EC50 - for Crustacea.	> 1 mg/l/48h Mysid Shrimp

**ZINC OXIDE**

LC50 - for Fish.	1,1 mg/l/96h Oncorhynchus mykiss
EC50 - for Crustacea.	1,7 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants.	0,14 mg/l/72h Pseudokirchnerella subcapitata
Chronic NOEC for Fish.	0,53 mg/l
Chronic NOEC for Algae / Aquatic Plants.	0,024 mg/l

**12.2. Persistence and degradability.****XYLENE (MIXTURE OF ISOMERS)**

Rapidly biodegradable.

**HYDROCARBONS, C9, AROMATICS**

Rapidly biodegradable.

**ROSIN**

Solubility in water.	mg/l 0,1 - 100
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Rapidly biodegradable.

**ZINC OXIDE**

Solubility in water.	2,9 mg/l
Solubility in water.	mg/l 0,1 - 100

Biodegradability: Information not available.





NOT rapidly biodegradable.

**12.3. Bioaccumulative potential.**

XYLENE (MIXTURE OF ISOMERS)

Partition coefficient: n-octanol/water. 3,12

HYDROCARBONS, C9, AROMATICS

Partition coefficient: n-octanol/water. 3,7

ROSIN

Partition coefficient: n-octanol/water. 3

BCF. 56,23

ZINC OXIDE

BCF. > 175

**12.4. Mobility in soil.**

COPPER THIOCYANATE

Partition coefficient: soil/water. 3,3

TRIPHENYL PHOSPHATE

Partition coefficient: soil/water. > 3,43

ROSIN

Partition coefficient: soil/water. 3,7289

**12.5. Results of PBT and vPvB assessment.**

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

**12.6. Other adverse effects.**

Information not available.

**SECTION 13. Disposal considerations.****13.1. Waste treatment methods.**

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Waste transportation may be subject to ADR restrictions.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

**SECTION 14. Transport information.****14.1. UN number.**



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ADR / RID, IMDG,  
IATA: 1263

### 14.2. UN proper shipping name.

ADR / RID: PAINT or PAINT  
RELATED  
MATERIAL  
IMDG: PAINT or PAINT  
RELATED  
MATERIAL  
(HYDROCARBO  
NS, C9,  
AROMATICS)  
IATA: PAINT or PAINT  
RELATED  
MATERIAL

### 14.3. Transport hazard class(es).

ADR / RID: Class: 3 Label: 3  
IMDG: Class: 3 Label: 3  
IATA: Class: 3 Label: 3



### 14.4. Packing group.

ADR / RID, IMDG,  
IATA: III

### 14.5. Environmental hazards.

ADR / RID: Environmentally  
Hazardous.  
IMDG: Marine Pollutant.  
IATA: NO



For Air transport, environmentally hazardous mark is only mandatory for UN 3077 and UN 3082.

### 14.6. Special precautions for user.

ADR / RID:	HIN - Kemler: 30	Limited Quantities: 5 L	Tunnel restriction code: (D/E)
	Special Provision: 640E		
IMDG:	EMS: F-E, S-E,	Limited Quantities: 5 L	
IATA:	Cargo:	Maximum quantity: 220 L	Packaging instructions: 366
	Pass.:	Maximum quantity: 60 L	Packaging instructions: 355
	Special Instructions:	A3, A72, A192	

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code.

Information not relevant.

**SECTION 15. Regulatory information.****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.**

Seveso category. 9i, 6

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006.

Product.  
Point. 3 - 40

Substances in Candidate List (Art. 59 REACH).  
None.

Substances subject to authorisation (Annex XIV REACH).  
None.

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:  
None.

Substances subject to the Rotterdam Convention:  
None.

Substances subject to the Stockholm Convention:  
None.

Healthcare controls.

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

Product not intended for uses provided for by Dir. 2004/42/CE.

**15.2. Chemical safety assessment.**

No chemical safety assessment has been processed for the mixture and the substances it contains.

**SECTION 16. Other information.**

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

<b>Flam. Liq. 3</b>	Flammable liquid, category 3
<b>Repr. 2</b>	Reproductive toxicity, category 2
<b>Acute Tox. 4</b>	Acute toxicity, category 4
<b>Asp. Tox. 1</b>	Aspiration hazard, category 1
<b>STOT RE 2</b>	Specific target organ toxicity - repeated exposure, category 2
<b>Eye Irrit. 2</b>	Eye irritation, category 2
<b>Skin Irrit. 2</b>	Skin irritation, category 2
<b>STOT SE 3</b>	Specific target organ toxicity - single exposure, category 3
<b>Skin Sens. 1</b>	Skin sensitization, category 1
<b>Aquatic Acute 1</b>	Hazardous to the aquatic environment, acute toxicity, category 1
<b>Aquatic Chronic 1</b>	Hazardous to the aquatic environment, chronic toxicity, category 1
<b>Aquatic Chronic 2</b>	Hazardous to the aquatic environment, chronic toxicity, category 2
<b>H226</b>	Flammable liquid and vapour.
<b>H361fd</b>	Suspected of damaging fertility. Suspected of damaging the unborn child.
<b>H302+H312+H332</b>	Harmful if swallowed, in contact with skin or if inhaled.
<b>H304</b>	May be fatal if swallowed and enters airways.
<b>H373</b>	May cause damage to organs through prolonged or repeated exposure.



<b>H319</b>	Causes serious eye irritation.
<b>H315</b>	Causes skin irritation.
<b>H335</b>	May cause respiratory irritation.
<b>H317</b>	May cause an allergic skin reaction.
<b>H336</b>	May cause drowsiness or dizziness.
<b>H400</b>	Very toxic to aquatic life.
<b>H410</b>	Very toxic to aquatic life with long lasting effects.
<b>H411</b>	Toxic to aquatic life with long lasting effects.
<b>EUH032</b>	Contact with acids liberates very toxic gas.
<b>EUH066</b>	Repeated exposure may cause skin dryness or cracking.

**LEGEND:**

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

**GENERAL BIBLIOGRAPHY**

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  4. Regulation (EU) 2015/830 of the European Parliament
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- The Merck Index. - 10th Edition
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  - Patty - Industrial Hygiene and Toxicology
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**Note for users:**

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.