

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - GB



## Chemlease® MPP 712 EZ

Version	Revision Date:	Date of last issue: 23.11.2017	Print Date:
3.0	17.02.2020	Date of first issue: 31.03.2013	17.02.2020

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

#### 1.1 Product identifier

Product name : Chemlease® MPP 712 EZ

Article-No. : 363370

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

Use of the Sub-  
stance/Mixture : Sealing agent

#### 1.3 Details of the supplier of the safety data sheet

Company : Suter Kunststoffe AG  
Aefligenstrasse 3  
3312 Fraubrunnen  
Schweiz  
Tel: 0041 (0)31 763 60 60  
www.swiss-composite.ch

E-mail address of person : info@swiss-composite.ch

#### 1.4 Emergency telephone number

Emergency telephone num-  
ber : Tox Info Suisse  
Emergency number: 145  
from abroad: +41 44 251 51 51

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

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

Flammable liquids, Category 2 H225: Highly flammable liquid and vapour.

Acute toxicity, Category 4 H302: Harmful if swallowed.

Acute toxicity, Category 4 H332: Harmful if inhaled.

Acute toxicity, Category 4 H312: Harmful in contact with skin.

Skin irritation, Category 2 H315: Causes skin irritation.

Specific target organ toxicity - single ex-  
posure, Category 1 H370: Causes damage to organs.

Aspiration hazard, Category 1 H304: May be fatal if swallowed and enters air-  
ways.

Long-term (chronic) aquatic hazard, Cat- H411: Toxic to aquatic life with long lasting effects.

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### 2.2 Label elements

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

Hazard pictograms	:	   
Signal word	:	Danger
Hazard statements	:	H225 Highly flammable liquid and vapour. H302 + H312 + H332 Harmful if swallowed, in contact with skin or if inhaled. H304 May be fatal if swallowed and enters air-ways. H315 Causes skin irritation. H370 Causes damage to organs. H411 Toxic to aquatic life with long lasting effects.
Precautionary statements	:	<b>Prevention:</b> P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P240 Ground/bond container and receiving equipment. P261 Avoid breathing mist or vapours. P273 Avoid release to the environment. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. <b>Response:</b> P301 + P330 + P331 + P310 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/ physician. P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P308 + P311 IF exposed or concerned: Call a POISON CENTER/doctor. <b>Storage:</b> P403 + P235 Store in a well-ventilated place. Keep cool.

Hazardous components which must be listed on the label:

Naphtha (petroleum), hydrotreated heavy

methanol

#### Additional Labelling

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EUH208      Contains dibutyltin dilaurate. May produce an allergic reaction.

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Components

Chemical name	CAS-No. EC-No.  Index-No. Registration number	Classification	Concentration limits M-Factor Notes	Concentration (% w/w)
o-xylene	95-47-6 202-422-2  601-022-00-9 01-2119485822-30-xxxx	Flam. Liq.3; H226 Acute Tox.4; H332 Acute Tox.4; H312 Skin Irrit.2; H315	Note C	$\geq 30 - < 50$
hexamethyldisiloxane	107-46-0 203-492-7  01-2119496108-31-XXXX	Flam. Liq.2; H225 Aquatic Acute1; H400 Aquatic Chronic1; H410	M-Factor: 1/	$\geq 20 - < 25$
Naphtha (petroleum), hydrotreated heavy	921-728-3  01-2119471305-42-xxxx	Flam. Liq.2; H225 Skin Irrit.2; H315 STOT SE3; H336 Asp. Tox.1; H304 Aquatic Chronic2; H411		$\geq 10 - < 20$
methanol	67-56-1 200-659-6  603-001-00-X	Flam. Liq.2; H225 Acute Tox.3; H301 Acute Tox.3; H331 Acute Tox.3; H311 STOT SE1; H370	$\geq 10$ % STOT SE1, H370  3 - < 10 % STOT SE2, H371  **	$\geq 10 - < 20$
octamethyltrisiloxane	107-51-7 203-497-4	Flam. Liq.3; H226		$\geq 1 - < 10$

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	01-2119970219-31-xxxx			
3-butoxypropan-2-ol	5131-66-8, 5131-66-8 225-878-4  603-052-00-8	Flam. Liq.3; H226 Skin Irrit.2; H315 Eye Irrit.2; H319		>= 1 - < 10
dibutyltin dilaurate	77-58-7 201-039-8  050-030-00-3	Skin Corr.1A; H314 Eye Dam.1; H318 Skin Sens.1; H317 Muta.2; H341 Repr.1B; H360FD STOT SE1; H370 STOT RE1; H372 Aquatic Acute1; H400 Aquatic Chronic1; H410	M-Factor: 1/	>= 0.1 - < 0.25

For explanation of abbreviations see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- If inhaled : Remove person to fresh air. If signs/symptoms continue, get medical attention.  
Keep patient warm and at rest.  
If unconscious, place in recovery position and seek medical advice.  
Keep respiratory tract clear.  
If breathing is irregular or stopped, administer artificial respiration.
- In case of skin contact : Take off all contaminated clothing immediately.  
Wash off immediately with soap and plenty of water.  
Get medical attention immediately if irritation develops and persists.  
Wash clothing before reuse.  
Thoroughly clean shoes before reuse.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 10 minutes.  
Seek medical advice.
- If swallowed : If accidentally swallowed obtain immediate medical attention.  
If unconscious, place in recovery position and seek medical advice.  
Keep respiratory tract clear.

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Do NOT induce vomiting.  
Never give anything by mouth to an unconscious person.  
Aspiration hazard if swallowed - can enter lungs and cause damage.

Move the victim to fresh air.

Rinse mouth with water.

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

Symptoms : No information available.

Risks : None known.

### 4.3 Indication of any immediate medical attention and special treatment needed

Treatment : No information available.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media : High volume water jet

### 5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting : Fire may cause evolution of:  
Carbon oxides  
Metal oxides

Do not let product enter drains.  
Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

### 5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment. In the case of respirable dust and/or fumes, use self-contained breathing apparatus. Exposure to decomposition products may be a hazard to health.

Further information : Standard procedure for chemical fires.  
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Cool containers/tanks with water spray.

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### SECTION 6: Accidental release measures

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

Personal precautions : Evacuate personnel to safe areas.  
Use personal protective equipment.  
Ensure adequate ventilation.  
Remove all sources of ignition.  
Do not breathe vapours or spray mist.  
Refer to protective measures listed in sections 7 and 8.

#### 6.2 Environmental precautions

Environmental precautions : Do not allow contact with soil, surface or ground water.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.

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

Methods for cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).  
Non-sparking tools should be used.

#### 6.4 Reference to other sections

For personal protection see section 8.

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### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Advice on safe handling : Use only in an area containing explosion proof equipment.  
Do not use in areas without adequate ventilation.  
Do not breathe vapours or spray mist.  
In case of insufficient ventilation, wear suitable respiratory equipment.  
Avoid contact with skin and eyes.  
For personal protection see section 8.  
Keep away from fire, sparks and heated surfaces.  
Smoking, eating and drinking should be prohibited in the application area.  
Wash hands and face before breaks and immediately after handling the product.  
Ensure all equipment is electrically grounded before beginning transfer operations.  
Do not get in eyes or mouth or on skin.  
Do not get on skin or clothing.  
Do not ingest.

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Do not use sparking tools.  
Do not enter areas where used or stored until adequately ventilated.  
Do not repack.  
Do not re-use empty containers.  
These safety instructions also apply to empty packaging which may still contain product residues.  
Keep container closed when not in use.  
Avoid inhalation of vapour or mist.

Hygiene measures : Wash face, hands and any exposed skin thoroughly after handling.

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

Requirements for storage areas and containers : Store in original container. Keep container closed when not in use. Keep in a cool place away from oxidizing agents. Keep in a dry, cool and well-ventilated place. To maintain product quality, do not store in heat or direct sunlight. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store in accordance with the particular national regulations. Keep in properly labelled containers.

### 7.3 Specific end use(s)

Specific use(s) : Specific instructions for handling, not required.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
o-xylene	95-47-6	TWA	50 ppm 221 mg/m <sup>3</sup>	2000/39/EC (2000-06-16)
Further information	Identifies the possibility of significant uptake through the skin, Indicative			
		STEL	100 ppm 442 mg/m <sup>3</sup>	2000/39/EC (2000-06-16)
Further information	Identifies the possibility of significant uptake through the skin, Indicative			
methanol	67-56-1	TWA	200 ppm 260 mg/m <sup>3</sup>	2006/15/EC (2006-02-09)
Further information	Indicative, Identifies the possibility of significant uptake through the skin			
		TWA	200 ppm 266 mg/m <sup>3</sup>	GB EH40 (2005-04-06)
Further information	Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.			
		STEL	250 ppm 333 mg/m <sup>3</sup>	GB EH40 (2005-04-06)
Further information	Can be absorbed through the skin. The assigned substances are those for			

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	which there are concerns that dermal absorption will lead to systemic toxicity.			
dibutyltin dilaurate	77-58-7	TWA	0.1 mg/m <sup>3</sup> (Tin)	GB EH40 (2005-04-06)
Further information	Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.			
		STEL	0.2 mg/m <sup>3</sup> (Tin)	GB EH40 (2005-04-06)
Further information	Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.			

### 8.2 Exposure controls

#### Engineering measures

Use only in an area equipped with explosion proof exhaust ventilation.  
Handle only in a place equipped with local exhaust (or other appropriate exhaust).

#### Personal protective equipment

Eye protection : Safety glasses with side-shields conforming to EN166

#### Hand protection

Material : Fluorinated rubber  
Break through time : > 10 min  
Protective index : Class 1

Remarks : Wear protective gloves. The break through time depends amongst other things on the material, the thickness and the type of glove and therefore has to be measured for each case.  
The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.

Respiratory protection : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

Filter type : Filter type A-P

Protective measures : The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.  
Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance : liquid



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Colour : colourless

Odour : solvent-like

Odour Threshold : No data available

pH : Not applicable

Melting point/range : No data available

Boiling point/boiling range : 61 - 150 °C

Flash point : -2 °C

Evaporation rate : No data available

Flammability (solid, gas) : No data available

Upper explosion limit / Upper flammability limit : 36 %(V)

Lower explosion limit / Lower flammability limit : 1 %(V)

Vapour pressure : No data available

Relative vapour density : No data available

Density : 0.84 g/cm<sup>3</sup>  
(20 °C)

Bulk density : No data available

Solubility(ies)

    Water solubility : immiscible

    Solubility in other solvents : No data available

Partition coefficient: n-octanol/water : No data available

Auto-ignition temperature : > 200 °C

Decomposition temperature : No data available

Viscosity

    Viscosity, dynamic : No data available

    Viscosity, kinematic : < 7 mm<sup>2</sup>/s (40 °C)

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Explosive properties : Not explosive  
Oxidizing properties : No data available

### 9.2 Other information

Sublimation point : No data available  
Self-ignition : No data available

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No hazards to be specially mentioned.

### 10.2 Chemical stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : No dangerous reaction known under conditions of normal use.

### 10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.  
Strong sunlight for prolonged periods.

### 10.5 Incompatible materials

Materials to avoid : Oxidizing agents

### 10.6 Hazardous decomposition products

>150 °C small quantities of formaldehyde may be formed.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

##### Product:

Acute oral toxicity : Acute toxicity estimate: 834.21 mg/kg  
Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate: 14.87 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate: 1,488 mg/kg

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Method: Calculation method

### Components:

#### **o-xylene:**

Acute oral toxicity : LD50 Oral (Rat): 3,523 mg/kg

Acute inhalation toxicity : LC50 (Rat): 27,124 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour

Acute dermal toxicity : LD50 Dermal (Rabbit): 12,126 mg/kg

#### **hexamethyldisiloxane:**

Acute inhalation toxicity : LC50 (Rat): 106 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour

#### **Naphtha (petroleum), hydrotreated heavy:**

Acute oral toxicity : LD50 Oral (Rat): > 5,000 mg/kg

#### **methanol:**

Acute inhalation toxicity : LC50 (Rat): 131.25 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Assessment: The component/mixture is toxic after short term inhalation.

#### **octamethyltrisiloxane:**

Acute oral toxicity : LD50 Oral (Rat): > 2,000 mg/kg

#### **3-butoxypropan-2-ol:**

Acute oral toxicity : LD50 Oral (Rat): > 2,000 mg/kg

#### **dibutyltin dilaurate:**

Acute oral toxicity : LD50 Oral (Rat): > 2,000 mg/kg

### **Skin corrosion/irritation**

#### Product:

Remarks : Irritating to skin.

### Components:

#### **o-xylene:**

Result : Skin irritation

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### **Naphtha (petroleum), hydrotreated heavy:**

Result : Skin irritation

### **3-butoxypropan-2-ol:**

Result : Skin irritation

### **dibutyltin dilaurate:**

Result : Extremely corrosive and destructive to tissue.

### **Serious eye damage/eye irritation**

#### **Product:**

Remarks : Contact with eyes may cause irritation.

#### **Components:**

### **3-butoxypropan-2-ol:**

Result : Eye irritation

### **Respiratory or skin sensitisation**

#### **Product:**

Remarks : This information is not available.

#### **Components:**

### **dibutyltin dilaurate:**

Result : May cause sensitisation by skin contact.

### **Germ cell mutagenicity**

#### **Product:**

Genotoxicity in vitro : Remarks: No data available

Genotoxicity in vivo : Remarks: No data available

#### **Components:**

### **dibutyltin dilaurate:**

Germ cell mutagenicity- Assessment : In vitro tests showed mutagenic effects

### **Carcinogenicity**

#### **Product:**

Remarks : No data available

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### Reproductive toxicity

#### Product:

Effects on fertility : Remarks: No data available

Effects on foetal development : Remarks: No data available

#### Components:

##### **dibutyltin dilaurate:**

Reproductive toxicity - Assessment : Clear evidence of adverse effects on sexual function and fertility, and/or on development, based on animal experiments

### STOT - single exposure

#### Components:

##### **Naphtha (petroleum), hydrotreated heavy:**

Assessment : May cause drowsiness or dizziness.

##### **dibutyltin dilaurate:**

Assessment : Causes damage to organs.

### STOT - repeated exposure

#### Components:

##### **dibutyltin dilaurate:**

Exposure routes : Inhalation

Assessment : Causes damage to organs through prolonged or repeated exposure.

### Repeated dose toxicity

#### Product:

Remarks : This information is not available.

### Aspiration toxicity

#### Product:

May be fatal if swallowed and enters airways.

#### Components:

##### **Naphtha (petroleum), hydrotreated heavy:**

May be fatal if swallowed and enters airways.

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### Further information

#### Product:

Remarks : Risks of irreversible effects after a single exposure.  
Ingestion causes irritation of upper respiratory system and gastrointestinal disturbance.

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Product:

Toxicity to fish : Remarks: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Toxicity to daphnia and other aquatic invertebrates : Remarks: No data available

Toxicity to algae/aquatic plants : Remarks: No data available

Toxicity to microorganisms : Remarks: No data available

#### Components:

##### **hexamethyldisiloxane:**

Toxicity to algae/aquatic plants : ErC50 (Selenastrum capricornutum (green algae)): > 0.93 mg/l  
Exposure time: 96 h

M-Factor (Acute aquatic toxicity) : 1

##### **Naphtha (petroleum), hydrotreated heavy:**

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 1 - 10 mg/l  
Exposure time: 48 h

##### **dibutyltin dilaurate:**

M-Factor (Acute aquatic toxicity) : 1

### Ecotoxicology Assessment

Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

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### 12.2 Persistence and degradability

#### Product:

Biodegradability : Remarks: No data available

Physico-chemical removability : Remarks: No data available

#### Components:

##### **o-xylene:**

Biodegradability : Result: Readily biodegradable.

##### **Naphtha (petroleum), hydrotreated heavy:**

Biodegradability : Result: Not readily biodegradable.

##### **methanol:**

Biodegradability : Result: Readily biodegradable.

##### **octamethyltrisiloxane:**

Biodegradability : Remarks: Not applicable

##### **3-butoxypropan-2-ol:**

Biodegradability : Result: Readily biodegradable.

##### **dibutyltin dilaurate:**

Biodegradability : Result: Not readily biodegradable.

### 12.3 Bioaccumulative potential

#### Product:

Bioaccumulation : Remarks: This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT).  
This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).

#### Components:

##### **o-xylene:**

Bioaccumulation : Bioconcentration factor (BCF): 29  
Remarks: Bioaccumulation is unlikely.

##### **hexamethyldisiloxane:**

Bioaccumulation : Remarks: The product may be accumulated in organisms.

Partition coefficient: n- : Remarks: Not applicable

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octanol/water

### **Naphtha (petroleum), hydrotreated heavy:**

Bioaccumulation : Remarks: No data available

Partition coefficient: n-octanol/water : Remarks: No data available

### **methanol:**

Bioaccumulation : Bioconcentration factor (BCF): 1.0

### **octamethyltrisiloxane:**

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

Partition coefficient: n-octanol/water : Remarks: Not applicable

### **3-butoxypropan-2-ol:**

Bioaccumulation : Bioconcentration factor (BCF): < 100

Partition coefficient: n-octanol/water : log Pow: 1.2

### **dibutyltin dilaurate:**

Bioaccumulation : Bioconcentration factor (BCF): 31

Partition coefficient: n-octanol/water : Pow: ca. 3

## 12.4 Mobility in soil

### **Product:**

Mobility : Remarks: No data available

Distribution among environmental compartments : Remarks: No data available

## 12.5 Results of PBT and vPvB assessment

### **Product:**

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..



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### 12.6 Other adverse effects

**Product:**

Additional ecological information : Harmful to aquatic life with long lasting effects.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : The product should not be allowed to enter drains, water courses or the soil.

Waste codes should be assigned by the user based on the application for which the product was used.

Contaminated packaging : Empty containers can be landfilled, when in accordance with the local regulations.

## SECTION 14: Transport information

### 14.1 UN number

ADR : UN 1993

IMDG : UN 1993

IATA : UN 1993

### 14.2 UN proper shipping name

ADR : FLAMMABLE LIQUID, N.O.S.  
(xylene, hexamethyldisiloxane)

IMDG : FLAMMABLE LIQUID, N.O.S.  
(xylene, hexamethyldisiloxane)

IATA : Flammable liquid, n.o.s.  
(xylene, hexamethyldisiloxane)

### 14.3 Transport hazard class(es)

ADR : 3

IMDG : 3

IATA : 3

### 14.4 Packing group

ADR  
Packing group : II  
Classification Code : F1  
Hazard Identification Number : 33

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Labels : 3  
Tunnel restriction code : (D/E)

### IMDG

Packing group : II  
Labels : 3  
EmS Code : F-E, S-E

### IATA (Cargo)

Packing instruction (cargo aircraft) : 364  
Packing instruction (LQ) : Y341  
Packing group : II  
Labels : Class 3 - Flammable liquids

### IATA (Passenger)

Packing instruction (passenger aircraft) : 353  
Packing instruction (LQ) : Y341  
Packing group : II  
Labels : Class 3 - Flammable liquids

## 14.5 Environmental hazards

### ADR

Environmentally hazardous : yes

### IMDG

Marine pollutant : yes

### IATA (Passenger)

Environmentally hazardous : no

### IATA (Cargo)

Environmentally hazardous : no

## 14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

## 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Remarks : Not applicable for product as supplied.

## SECTION 15: Regulatory information

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

International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors : Not applicable

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : Not applicable

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- REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59) : This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).
- REACH - List of substances subject to authorisation (Annex XIV) : Not applicable
- Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable
- Regulation (EC) No 850/2004 on persistent organic pollutants : Not applicable
- REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : Conditions of restriction for the following entries should be considered: dibutyltin dilaurate (Number on list 30, 20)
- Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.  
P5c FLAMMABLE LIQUIDS
- E2 ENVIRONMENTAL HAZARDS
- 22 Methanol
- Seveso II - Directive 2003/105/EC amending Council Directive 96/82/EC on the control of major-accident hazards involving dangerous substances  
7b Highly flammable
- Volatile organic compounds : Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)  
Volatile organic compounds (VOC) content: 88.35 %

### Other regulations:

Take note of Directive 92/85/EEC regarding maternity protection or stricter national regulations, where applicable.

Take note of Directive 94/33/EC on the protection of young people at work or stricter national regulations, where applicable.

### 15.2 Chemical safety assessment

This information is not available.

## SECTION 16: Other information

### Full text of H-Statements

H225 : Highly flammable liquid and vapour.

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- H226 : Flammable liquid and vapour.
- H301 : Toxic if swallowed.
- H304 : May be fatal if swallowed and enters airways.
- H311 : Toxic in contact with skin.
- H312 : Harmful in contact with skin.
- H314 : Causes severe skin burns and eye damage.
- H315 : Causes skin irritation.
- H317 : May cause an allergic skin reaction.
- H318 : Causes serious eye damage.
- H319 : Causes serious eye irritation.
- H331 : Toxic if inhaled.
- H332 : Harmful if inhaled.
- H336 : May cause drowsiness or dizziness.
- H341 : Suspected of causing genetic defects.
- H360FD : May damage fertility. May damage the unborn child.
- H370 : Causes damage to organs.
- H372 : Causes damage to organs through prolonged or repeated exposure.
- H400 : Very toxic to aquatic life.
- H410 : Very toxic to aquatic life with long lasting effects.
- H411 : Toxic to aquatic life with long lasting effects.

### Full text of other abbreviations

- \*\* : Route of exposure cannot be excluded: For certain hazard classes, e.g. STOT, the route of exposure should be indicated in the hazard statement only if it is conclusively proven that no other route of exposure can cause the hazard in accordance to the criteria in Annex I. Under Directive 67/548/EEC the route of exposure was indicated for classifications with R48 when there was data justifying the classification for this route of exposure. The classification under 67/548/EEC indicating the route of exposure has been translated into the corresponding class and category according to this Regulation, but with a general hazard statement not specifying the route of exposure as the necessary information is not available.
- Note C : Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.
- 2000/39/EC : Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values
- 2006/15/EC : Europe. Indicative occupational exposure limit values
- GB EH40 : UK. EH40 WEL - Workplace Exposure Limits
- 2000/39/EC / TWA : Limit Value - eight hours
- 2000/39/EC / STEL : Short term exposure limit
- 2006/15/EC / TWA : Limit Value - eight hours

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GB EH40 / TWA : Long-term exposure limit (8-hour TWA reference period)  
GB EH40 / STEL : Short-term exposure limit (15-minute reference period)

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### Further information

#### Classification of the mixture:

Flam. Liq. 2	H225
Acute Tox. 4	H302
Acute Tox. 4	H332
Acute Tox. 4	H312
Skin Irrit. 2	H315
STOT SE 1	H370
Asp. Tox. 1	H304
Aquatic Chronic 2	H411

#### Classification procedure:

Based on product data or assessment
Calculation method
Calculation method
Calculation method
Calculation method
Calculation method
Based on product data or assessment
Calculation method

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