

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



## PRIMERPLAST

Version  
1.2

Revision Date:  
06.03.2018

SDS Number:  
H53652

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

#### 1.1 Product identifier

Trade name : PRIMERPLAST

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

Use of the Substance/Mixture : Solvent-borne coatings

Recommended restrictions on use : For use in industrial installations or professional treatment only.

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

Company : Roberlo s.a.  
Ctra. Nacional II, Km. 706,5  
17457 Riudellots de la Selva  
Spain

Telephone : +34972478060

Telefax : +34972477394

E-mail address of person responsible for the SDS : msds@roberlo.com

#### 1.4 Emergency telephone number

+34 972 478060 (8:00-12:45 / 14:15-17:30 h) ROBERLO (Spain) (GMT + 1:00)

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

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

Flammable liquids, Category 3 H226: Flammable liquid and vapour.

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.

Eye irritation, Category 2 H319: Causes serious eye irritation.

Skin sensitisation, Category 1 H317: May cause an allergic skin reaction.

Specific target organ toxicity - single exposure, Category 3, Respiratory system H335: May cause respiratory irritation.

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Specific target organ toxicity - repeated exposure, Category 2

H373: May cause damage to organs through prolonged or repeated exposure if inhaled.

Aspiration hazard, Category 1

H304: May be fatal if swallowed and enters airways.

Chronic aquatic toxicity, Category 3

H412: Harmful to aquatic life with long lasting effects.

### 2.2 Label elements

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

Hazard pictograms



Signal word

: Danger

Hazard statements

: H226 Flammable liquid and vapour.  
H304 May be fatal if swallowed and enters airways.  
H312 + H332 Harmful in contact with skin or if inhaled.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.  
H373 May cause damage to organs through prolonged or repeated exposure if inhaled.  
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

#### Prevention:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P260 Do not breathe vapours.  
P260 Do not breathe spray.

#### Response:

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.  
P331 Do NOT induce vomiting.

#### Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Hazardous components which must be listed on the label:

xylene (mixture of isomers)

ethylbenzene

epoxy resin (average molecular weight  $\leq 700$ )

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### Additional Labelling

EUH205 Contains epoxy constituents. 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

Chemical nature : Paint  
Mixture

#### Hazardous components

| Chemical name                                | CAS-No.<br>EC-No.<br>Index-No.<br>Registration number      | Classification   | Concentration<br>(% w/w) |
|--|--|--|--------------------------|
| xylene (mixture of isomers)                  | 1330-20-7<br>215-535-7<br>601-022-00-9<br>01-2119488216-32 | Flam. Liq. 3; H226<br>Acute Tox. 4; H332<br>Acute Tox. 4; H312<br>Skin Irrit. 2; H315<br>Eye Irrit. 2; H319<br>STOT SE 3; H335<br>STOT RE 2; H373<br>Asp. Tox. 1; H304 | >= 70 - < 90             |
| ethylbenzene                                 | 100-41-4<br>202-849-4<br>601-023-00-4<br>01-2119489370-35  | Flam. Liq. 2; H225<br>Acute Tox. 4; H332<br>STOT RE 2; H373<br>Asp. Tox. 1; H304<br>Aquatic Chronic 3;<br>H412   | >= 10 - < 20             |
| epoxy resin (average molecular weight ≤ 700) | 25068-38-6<br>500-033-5<br>603-074-00-8                    | Skin Irrit. 2; H315<br>Eye Irrit. 2; H319<br>Skin Sens. 1; H317<br>Aquatic Chronic 2;<br>H411  | >= 1 - < 2.5             |
| methylethylketone                            | 78-93-3<br>201-159-0<br>606-002-00-3<br>01-2119457290-43   | Flam. Liq. 2; H225<br>Eye Irrit. 2; H319<br>STOT SE 3; H336<br>EUH066  | >= 1 - < 10              |

For explanation of abbreviations see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General advice : Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.  
Symptoms of poisoning may appear several hours later.  
Do not leave the victim unattended.

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- |                         |   |  |
|-------------------------|---|--|
| If inhaled              | : | If unconscious, place in recovery position and seek medical advice.<br>If symptoms persist, call a physician.  |
| In case of skin contact | : | If on skin, rinse well with water.<br>If on clothes, remove clothes.   |
| In case of eye contact  | : | Flush eyes with water as a precaution.<br>Remove contact lenses.<br>Protect unharmed eye.<br>Keep eye wide open while rinsing.<br>If eye irritation persists, consult a specialist.  |
| If swallowed            | : | Keep respiratory tract clear.<br>Do NOT induce vomiting.<br>Do not give milk or alcoholic beverages.<br>Never give anything by mouth to an unconscious person.<br>If symptoms persist, call a physician.<br>Take victim immediately to hospital. |

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

- |          |   |   |
|----------|---|---|
| Symptoms | : | Inhalation may provoke the following symptoms:<br>Headache<br>Vertigo<br>Fatigue<br>Skin contact may provoke the following symptoms:<br>Redness<br>Ingestion may provoke the following symptoms:<br>Abdominal pain<br>Vomiting<br>Diarrhoea |
|----------|---|---|

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

- |           |   |                           |
|-----------|---|---------------------------|
| Treatment | : | No information available. |
|-----------|---|---------------------------|

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

- |                                |   |   |
|--------------------------------|---|---|
| Suitable extinguishing media   | : | Alcohol-resistant foam<br>Carbon dioxide (CO <sub>2</sub> )<br>Dry chemical |
| Unsuitable extinguishing media | : | High volume water jet   |

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

- |                                      |   |   |
|--------------------------------------|---|---|
| Specific hazards during firefighting | : | Do not allow run-off from fire fighting to enter drains or water courses. |
|--------------------------------------|---|---|

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Hazardous combustion products : No hazardous combustion products are known

### 5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.  
For safety reasons in case of fire, cans should be stored separately in closed containments.  
Use a water spray to cool fully closed containers.

## SECTION 6: Accidental release measures

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

Personal precautions : Use personal protective equipment.  
Ensure adequate ventilation.  
Remove all sources of ignition.  
Evacuate personnel to safe areas.  
Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

### 6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.  
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).

### 6.4 Reference to other sections

For contact information in case of emergency, see section 1. For information on safe handling, see section 7. For exposure controls and personal protection measures, see section 8. For subsequent waste disposal, follow the recommendations in section 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advice on safe handling : Avoid formation of aerosol.  
Do not breathe vapours/dust.  
Avoid exposure - obtain special instructions before use.  
For personal protection see section 8.

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Smoking, eating and drinking should be prohibited in the application area.  
Take precautionary measures against static discharges.  
Provide sufficient air exchange and/or exhaust in work rooms.  
Open drum carefully as content may be under pressure.  
Dispose of rinse water in accordance with local and national regulations.

Advice on protection against fire and explosion : Do not spray on a naked flame or any incandescent material. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Keep away from open flames, hot surfaces and sources of ignition.

Hygiene measures : When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

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

Requirements for storage areas and containers : No smoking. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.

Further information on storage conditions : <\*\* Phrase language not available: [ EN ] CUST - Z99.00000000038 \*\*>

Storage period : 12 Months

Further information on storage stability : No decomposition if stored and applied as directed.

### 7.3 Specific end use(s)

Specific use(s) : For the use of this product do not exist particular recommendations apart from that already indicated.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

| Components                  | CAS-No.   | Value type (Form of exposure) | Control parameters               | Basis   |
|-----------------------------|---|-------------------------------|----------------------------------|---------|
| xylene (mixture of isomers) | 1330-20-7   | TWA                           | 50 ppm<br>220 mg/m <sup>3</sup>  | GB EH40 |
| Further information         | Can be absorbed through skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity. |                               |                                  |         |
|                             |   | STEL                          | 100 ppm<br>441 mg/m <sup>3</sup> | GB EH40 |
| Further information         | Can be absorbed through skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity. |                               |                                  |         |

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|                     |   |      |                                  |            |
|---------------------|---|------|----------------------------------|------------|
|                     |   | TWA  | 50 ppm<br>221 mg/m <sup>3</sup>  | 2000/39/EC |
| Further information | Identifies the possibility of significant uptake through the skin, Indicative   |      |                                  |            |
|                     |   | STEL | 100 ppm<br>442 mg/m <sup>3</sup> | 2000/39/EC |
| Further information | Identifies the possibility of significant uptake through the skin, Indicative   |      |                                  |            |
| ethylbenzene        | 100-41-4  | TWA  | 100 ppm<br>442 mg/m <sup>3</sup> | 2000/39/EC |
| Further information | Identifies the possibility of significant uptake through the skin, Indicative   |      |                                  |            |
|                     |   | STEL | 200 ppm<br>884 mg/m <sup>3</sup> | 2000/39/EC |
| Further information | Identifies the possibility of significant uptake through the skin, Indicative   |      |                                  |            |
|                     |   | TWA  | 100 ppm<br>441 mg/m <sup>3</sup> | GB EH40    |
| Further information | Can be absorbed through skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity. |      |                                  |            |
|                     |   | STEL | 125 ppm<br>552 mg/m <sup>3</sup> | GB EH40    |
| Further information | Can be absorbed through skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity. |      |                                  |            |
| methylethylketone   | 78-93-3   | STEL | 300 ppm<br>900 mg/m <sup>3</sup> | 2000/39/EC |
| Further information | Indicative  |      |                                  |            |
|                     |   | TWA  | 200 ppm<br>600 mg/m <sup>3</sup> | 2000/39/EC |
| Further information | Indicative  |      |                                  |            |
|                     |   | TWA  | 200 ppm<br>600 mg/m <sup>3</sup> | GB EH40    |
| Further information | Can be absorbed through skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity. |      |                                  |            |
|                     |   | STEL | 300 ppm<br>899 mg/m <sup>3</sup> | GB EH40    |
| Further information | Can be absorbed through skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity. |      |                                  |            |

### Biological occupational exposure limits

| Substance name    | CAS-No. | Control parameters                         | Sampling time | Basis          |
|-------------------|---------|--|---------------|----------------|
| methylethylketone | 78-93-3 | butan-2-one: 70 micromol per litre (Urine) | After shift   | GB EH40<br>BAT |

### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

| Substance name   | End Use | Exposure routes | Potential health effects   | Value                   |
|--|---------|-----------------|----------------------------|-------------------------|
| xylene   | Workers | Inhalation      | Long-term systemic effects | 77 mg/m <sup>3</sup>    |
| ethylbenzene   | Workers | Inhalation      | Long-term systemic effects | 77 mg/m <sup>3</sup>    |
| reaction product: bisphenol-A- (epichlorhydrin); epoxy resin (number average molecular | Workers | Inhalation      | Long-term systemic effects | 12.25 mg/m <sup>3</sup> |

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|               |         |            |                            |           |
|---------------|---------|------------|----------------------------|-----------|
| weight ≤ 700) |         |            |                            |           |
| butanone      | Workers | Inhalation | Long-term systemic effects | 600 mg/m3 |

### 8.2 Exposure controls

#### Personal protective equipment

- Eye protection : Eye wash bottle with pure water  
Tightly fitting safety goggles
- Hand protection  
Remarks : The suitability for a specific workplace should be discussed  
with the producers of the protective gloves.
- Skin and body protection : Impervious clothing  
Choose body protection according to the amount and  
concentration of the dangerous substance at the work place.
- Respiratory protection : In the case of vapour formation use a respirator with an  
approved filter.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- Appearance : liquid
- Colour : colourless
- Odour : characteristic
- pH : Not applicable
- Melting point/range : not determined
- Boiling point/boiling range : not determined
- Flash point : 23 °C  
Method: ISO 1523, closed cup  
Setaflash
- Upper explosion limit / Upper  
flammability limit : not determined
- Lower explosion limit / Lower  
flammability limit : not determined
- Vapour pressure : not determined
- Density : 0.87 g/cm3 (20 °C)  
Method: ISO 2811-1
- Solubility(ies)



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|                      |   |                                      |
|----------------------|---|--------------------------------------|
| Water solubility     | : | immiscible                           |
| Viscosity            |   |                                      |
| Viscosity, dynamic   | : | 15 mPa.s (20 °C)<br>Method: ISO 2555 |
| Viscosity, kinematic | : | < 20.5 mm <sup>2</sup> /s (40 °C)    |

### 9.2 Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No decomposition if stored and applied as directed.

### 10.2 Chemical stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : No decomposition if stored and applied as directed.  
Vapours may form explosive mixture with air.

### 10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.

### 10.5 Incompatible materials

Materials to avoid : No data available

### 10.6 Hazardous decomposition products

Hazardous decomposition products : Carbon monoxide

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

##### Product:

|                           |   |   |
|---------------------------|---|---|
| Acute inhalation toxicity | : | Acute toxicity estimate: 11.7 mg/l<br>Exposure time: 4 h<br>Test atmosphere: vapour<br>Method: Calculation method |
| Acute dermal toxicity     | : | Acute toxicity estimate: 1,377 mg/kg<br>Method: Calculation method  |

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### **Components:**

#### **xylene (mixture of isomers):**

- Acute oral toxicity : LD50 Oral (Rat): 4,300 mg/kg  
Method: OECD Test Guideline 401
- Acute inhalation toxicity : LC50 (Rat): 22.08 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Method: OECD Test Guideline 403
- Acute dermal toxicity : Acute toxicity estimate: 1,100 mg/kg  
Method: Converted acute toxicity point estimate

#### **ethylbenzene:**

- Acute oral toxicity : LD50 Oral (Rat): 3,500 mg/kg  
Method: OECD Test Guideline 401
- Acute inhalation toxicity : LC50 (Rat): 17.4 mg/l  
Exposure time: 4 h  
Test atmosphere: gas  
Method: OECD Test Guideline 403
- Acute dermal toxicity : LD50 (Rabbit): 15,400 mg/kg  
Method: OECD Test Guideline 402

#### **epoxy resin (average molecular weight $\leq 700$ ):**

- Acute oral toxicity : LD50 Oral (Rat): 11,400 mg/kg  
Method: OECD Test Guideline 401
- Acute dermal toxicity : LD50 (Rabbit): 2,000 mg/kg  
Method: OECD Test Guideline 402

#### **methylethylketone:**

- Acute oral toxicity : LD50 Oral (Rat): 2,737 mg/kg  
Method: OECD Test Guideline 401
- Acute inhalation toxicity : LC50 (Rat): 23.5 mg/l  
Exposure time: 4 h  
Method: OECD Test Guideline 403
- Acute dermal toxicity : LD50 (Rabbit): 6,480 mg/kg  
Method: OECD Test Guideline 402

### **Skin corrosion/irritation**

#### **Product:**

Result: Skin irritation

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### Serious eye damage/eye irritation

**Product:**

Remarks: Severe eye irritation

### Respiratory or skin sensitisation

**Product:**

Result: May cause sensitisation by skin contact.

### Germ cell mutagenicity

**Product:**

Germ cell mutagenicity-  
Assessment : Based on available data, the classification criteria are not met.

### Carcinogenicity

**Product:**

Carcinogenicity -  
Assessment : Based on available data, the classification criteria are not met.

### Reproductive toxicity

**Product:**

Reproductive toxicity -  
Assessment : Based on available data, the classification criteria are not met.

### STOT - single exposure

**Product:**

Target Organs: Respiratory Tract

Assessment: The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with respiratory tract irritation.

### STOT - repeated exposure

**Product:**

Assessment: The substance or mixture is classified as specific target organ toxicant, repeated exposure, category 2.

### Aspiration toxicity

**Product:**

May be fatal if swallowed and enters airways.

### Further information

**Product:**

Remarks: Based on available data, the classification criteria are not met.

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### SECTION 12: Ecological information

#### 12.1 Toxicity

##### Components:

##### **xylene (mixture of isomers):**

- Toxicity to fish : LC50 (Fish): 14 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia (water flea)): 16 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202
- Toxicity to algae : EC50 (Algae): > 10 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

##### **ethylbenzene:**

- Toxicity to fish : LC50 (Fish): 12 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia (water flea)): 1.8 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202
- Toxicity to algae : EC50 (Algae): 33 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

##### **epoxy resin (average molecular weight $\leq 700$ ):**

- Toxicity to fish : LC50 (Fish): 1.5 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia (water flea)): 1.1 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202
- Toxicity to algae : EC50 (Algae): 0.22 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

##### **methylethylketone:**

- Toxicity to fish : LC50 (Fish): 2,993 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203

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Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia (water flea)): 380 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202

Toxicity to algae : EC50 (Algae): 1,972 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

No data available

### 12.4 Mobility in soil

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..

### 12.6 Other adverse effects

#### **Product:**

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.  
Toxic to aquatic life with long lasting effects.

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : The product should not be allowed to enter drains, water courses or the soil.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.  
Do not burn, or use a cutting torch on, the empty drum.

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## SECTION 14: Transport information

### 14.1 UN number

ADR : 1263

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**IMDG** : UN 1263

**IATA (Cargo)** : UN 1263

### 14.2 UN proper shipping name

**ADR** : PAINT

**IMDG** : PAINT

**IATA (Cargo)** : Paint

### 14.3 Transport hazard class(es)

**ADR** : 3

**IMDG** : 3

**IATA (Cargo)** : 3

### 14.4 Packing group

#### **ADR**

Packing group : III

Classification Code : F1

Hazard Identification Number : 30

Labels : 3

#### **IMDG**

Packing group : III

Labels : 3

EmS Code : F-E, S-E

#### **IATA (Cargo)**

Packing instruction (cargo aircraft) : 366

Packing instruction (LQ) : Y344

Packing group : III

Labels : Flammable Liquids

### 14.5 Environmental hazards

#### **ADR**

Environmentally hazardous : no

#### **IMDG**

Marine pollutant : no

### 14.6 Special precautions for user

Not applicable

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

Not applicable for product as supplied.

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## SECTION 15: Regulatory information

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

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

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|                            |                               |                       |                        |
|----------------------------|-------------------------------|-----------------------|------------------------|
| P5c                        | FLAMMABLE LIQUIDS             | Quantity 1<br>5,000 t | Quantity 2<br>50,000 t |
| Volatile organic compounds | : 830 g/l                     |                       |                        |
| Directive 2004/42/EC       | : Special finishes (840 g/l ) |                       |                        |

### Other regulations:

The product is classified and labelled in accordance with EC directives or respective national laws.

### 15.2 Chemical safety assessment

The supplier has not carried out evaluation of chemical safety.

## SECTION 16: Other information

### Full text of H-Statements

|        |   |
|--------|---|
| EUH066 | : Repeated exposure may cause skin dryness or cracking.                         |
| H225   | : Highly flammable liquid and vapour.   |
| H226   | : Flammable liquid and vapour.  |
| H304   | : May be fatal if swallowed and enters airways.                                 |
| H312   | : Harmful in contact with skin.   |
| H315   | : Causes skin irritation.   |
| H317   | : May cause an allergic skin reaction.  |
| H319   | : Causes serious eye irritation.  |
| H332   | : Harmful if inhaled.   |
| H335   | : May cause respiratory irritation.   |
| H336   | : May cause drowsiness or dizziness.  |
| H373   | : May cause damage to organs through prolonged or repeated exposure.            |
| H373   | : May cause damage to organs through prolonged or repeated exposure if inhaled. |
| H411   | : Toxic to aquatic life with long lasting effects.                              |
| H412   | : Harmful to aquatic life with long lasting effects.                            |

### Full text of other abbreviations

|                   |  |
|-------------------|--|
| Acute Tox.        | : Acute toxicity   |
| Aquatic Chronic   | : Chronic aquatic toxicity   |
| Asp. Tox.         | : Aspiration hazard  |
| Eye Irrit.        | : Eye irritation   |
| Flam. Liq.        | : Flammable liquids  |
| Skin Irrit.       | : Skin irritation  |
| Skin Sens.        | : Skin sensitisation   |
| STOT RE           | : Specific target organ toxicity - repeated exposure   |
| STOT SE           | : Specific target organ toxicity - single exposure   |
| 2000/39/EC        | : Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values |
| GB EH40           | : UK. EH40 WEL - Workplace Exposure Limits   |
| GB EH40 BAT       | : UK. Biological monitoring guidance values  |
| 2000/39/EC / TWA  | : Limit Value - eight hours  |
| 2000/39/EC / STEL | : Short term exposure limit  |

# SAFETY DATA SHEET

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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; 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

Sources of key data used to compile the Safety Data Sheet : <http://echa.europa.eu>, <http://eur-lex.europa.eu>

### Classification of the mixture:

|               |      |
|---------------|------|
| Flam. Liq. 3  | H226 |
| Acute Tox. 4  | H332 |
| Acute Tox. 4  | H312 |
| Skin Irrit. 2 | H315 |
| Eye Irrit. 2  | H319 |
| Skin Sens. 1  | H317 |
| STOT SE 3     | H335 |
| STOT RE 2     | H373 |
| Asp. Tox. 1   | H304 |

### Classification procedure:

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



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Aquatic Chronic 3

H412

Calculation method

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GB / EN