

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

**HUNTSMAN**

Enriching lives through innovation

## EPIBOND® 420 B US

Version 1.3      Revision Date: 08.11.2023      SDS Number: 400001008535      Date of last issue: 10.01.2023  
Date of first issue: 04.10.2017

Print Date 07.03.2024

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

#### 1.1 Product identifier

Trade name : EPIBOND® 420 B US

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

Use of the Substance/Mixture : Hardener

Recommended restrictions on use : For industrial use only.

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

Company : Huntsman Advanced Materials (Europe) BV  
Address : Everslaan 45  
3078 Everberg  
Belgium

Telephone : +41 61 299 20 41  
Telefax : +41 61 299 20 40

E-mail address of person responsible for the SDS : Global\_Product\_EHS\_AdMat@huntsman.com

#### 1.4 Emergency telephone number

Emergency telephone number : Centres Antipoison et de Toxicovigilance:  
ANGERS: 02 41 48 21 21  
BORDEAUX: 05 56 96 40 80  
LILLE: 0 825 812 822  
LYON: 04 72 11 69 11  
MARSEILLE 04 91 75 25 25  
NANCY: 03 83 32 36 36  
PARIS: 01 40 05 48 48  
RENNES: 02 99 59 22 22  
STRASBOURG: 03 88 37 37 37  
TOULOUSE: 05 61 77 74 47  
EUROPE: +32 35 75 1234  
France ORFILA: +33(0)145425959  
ASIA: +65 6336-6011  
China: +86 20 39377888  
+86 532 83889090  
India: + 91 22 42 87 5333  
Australia: 1800 786 152  
New Zealand: 0800 767 437  
USA: +1 800-424-9300

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

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

Skin corrosion, Sub-category 1B      H314: Causes severe skin burns and eye damage.  
Serious eye damage, Category 1      H318: Causes serious eye damage.  
Skin sensitisation, Category 1      H317: May cause an allergic skin reaction.

#### 2.2 Label elements

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

Hazard pictograms :



Signal word : Danger

Hazard statements : H314 Causes severe skin burns and eye damage.  
H317 May cause an allergic skin reaction.

Precautionary statements : **Prevention:**  
P261 Avoid breathing mist or vapours.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection.  
**Response:**  
P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.  
P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/ doctor.  
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.

##### Hazardous components which must be listed on the label:

3,3'-oxybis(ethyleneoxy)bis(propylamine)

#### 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.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher

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### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

Chemical nature : Amines

#### Hazardous components

| Chemical name                            | CAS-No.<br>EC-No.<br>Index-No.<br>Registration number | Classification  | Concentration<br>(% w/w) |
|--|---|---|--------------------------|
| 3,3'-oxybis(ethyleneoxy)bis(propylamine) | 4246-51-9<br>224-207-2<br>01-2119963377-26            | Skin Corr. 1B; H314<br>Eye Dam. 1; H318<br>Skin Sens. 1; H317 | >= 50 -<br>< 70          |

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.  
Consult a physician.  
Show this safety data sheet to the doctor in attendance.  
Treat symptomatically.  
Get medical attention if symptoms occur.
- Protection of first-aiders : First Aid responders should pay attention to self-protection and use the recommended protective clothing  
If potential for exposure exists refer to Section 8 for specific personal protective equipment.  
Avoid inhalation, ingestion and contact with skin and eyes.  
No action shall be taken involving any personal risk or without suitable training.  
It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
- If inhaled : If inhaled, remove to fresh air.  
Get medical attention if symptoms occur.
- In case of skin contact : Immediate medical treatment is necessary as untreated wounds from corrosion of the skin heal slowly and with difficulty.  
If on skin, rinse well with water.  
If on clothes, remove clothes.
- In case of eye contact : Small amounts splashed into eyes can cause irreversible tissue damage and blindness.  
In the case of contact with eyes, rinse immediately with plenty

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of water and seek medical advice.  
Continue rinsing eyes during transport to hospital.  
Remove contact lenses.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.

If swallowed : Keep respiratory tract clear.  
Do NOT induce vomiting.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.  
Take victim immediately to hospital.

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

Risks : May cause an allergic skin reaction.  
Causes serious eye damage.  
Causes severe burns.

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

Treatment : Treat symptomatically.

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media : Water spray  
Alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical

Unsuitable extinguishing media : Exercise caution when using a high volume water jet as it may scatter and spread fire

### 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.

Hazardous combustion products : Carbon dioxide (CO<sub>2</sub>)  
Carbon monoxide  
Nitrogen oxides (NO<sub>x</sub>)

### 5.3 Advice for firefighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must

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be disposed of in accordance with local regulations.

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### SECTION 6: Accidental release measures

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

Personal precautions : Use personal protective equipment.  
Refer to protective measures listed in sections 7 and 8.

#### 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 : Soak up with inert absorbent material (e.g. sand, silica gel,  
acid binder, universal binder, sawdust).  
Keep in suitable, closed containers for disposal.

#### 6.4 Reference to other sections

For disposal considerations see section 13., See Section 1 for emergency contact information., 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 : Repeated or prolonged skin contact may cause skin irritation  
and/or dermatitis and sensitisation of susceptible persons.  
Persons suffering from asthma, eczema or skin problems  
should avoid contact, including dermal contact, with this  
product.  
Do not breathe vapours/dust.  
Avoid exposure - obtain special instructions before use.  
Avoid contact with skin and eyes.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the  
application area.  
To avoid spills during handling keep bottle on a metal tray.  
Dispose of rinse water in accordance with local and national  
regulations.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

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

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

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place. Observe label precautions. Keep in properly labelled containers.

Advice on common storage : For incompatible materials please refer to Section 10 of this SDS.

Recommended storage temperature : 2 - 40 °C

Further information on storage stability : Stable under normal conditions.

### 7.3 Specific end use(s)

Specific use(s) : No data available

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

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

| Substance name                           | End Use   | Exposure routes | Potential health effects   | Value                 |
|--|-----------|-----------------|----------------------------|-----------------------|
| 3,3'-oxybis(ethyleneoxy)bis(propylamine) | Workers   | Inhalation      | Long-term systemic effects | 59 mg/m <sup>3</sup>  |
|  | Workers   | Inhalation      | Acute systemic effects     | 176 mg/m <sup>3</sup> |
|  | Workers   | Inhalation      | Long-term local effects    | 1 mg/m <sup>3</sup>   |
|  | Workers   | Dermal          | Long-term systemic effects | 8,3 mg/kg             |
|  | Consumers | Inhalation      | Long-term systemic effects | 17 mg/m <sup>3</sup>  |
|  | Consumers | Inhalation      | Acute systemic effects     | 52 mg/m <sup>3</sup>  |
|  | Consumers | Inhalation      | Long-term local effects    | 0,5 mg/m <sup>3</sup> |
|  | Consumers | Inhalation      | Acute local effects        | 6,5 mg/m <sup>3</sup> |
|  | Consumers | Dermal          | Long-term systemic effects | 5 mg/kg               |
|  | Consumers | Oral            | Long-term systemic effects | 5 mg/kg               |

#### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

| Substance name                           | Environmental Compartment | Value     |
|--|---------------------------|-----------|
| 3,3'-oxybis(ethyleneoxy)bis(propylamine) | Fresh water               | 0,22 mg/l |

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|     |                          |             |
|-----|--------------------------|-------------|
| ne) |                          |             |
|     | Marine water             | 0,022 mg/l  |
|     | Intermittent use/release | 2,2 mg/l    |
|     | Sewage treatment plant   | 125 mg/l    |
|     | Fresh water sediment     | 1,1 mg/kg   |
|     | Marine sediment          | 0,11 mg/kg  |
|     | Soil                     | 0,091 mg/kg |

**8.2 Exposure controls**

**Personal protective equipment**

Eye/face protection : Eye wash bottle with pure water  
Tightly fitting safety goggles  
Wear face-shield and protective suit for abnormal processing problems.

Hand protection

Material : butyl-rubber  
Break through time : > 8 h

Material : Nitrile rubber  
Break through time : 10 - 480 min

Material : Ethyl Vinyl Alcohol Laminate (EVAL)  
Break through time : > 8 h

Remarks : The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).  
Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. 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 : Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines  
Recommended Filter type:  
Combined particulates and organic vapour type

Filter type : Filter type A-P

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### SECTION 9: Physical and chemical properties

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

|  |   |
|--|---|
| Physical state                                   | : liquid                                      |
| Colour   | : blue  |
| Odour  | : ammoniacal                                  |
| Odour Threshold                                  | : No data is available on the product itself. |
| Melting point/freezing point                     | : No data is available on the product itself. |
| Boiling point                                    | : No data is available on the product itself. |
| Flammability (solid, gas)                        | : No data is available on the product itself. |
| Lower explosion limit / Lower flammability limit | : No data is available on the product itself. |
| Upper explosion limit / Upper flammability limit | : No data is available on the product itself. |
| Flash point                                      | : 110 °C<br>Method: closed cup                |
| Auto-ignition temperature                        | : No data is available on the product itself. |
| Decomposition temperature                        | : > 150 °C<br>Method: estimated               |
| pH   | : No data is available on the product itself. |
| Viscosity  |   |
| Viscosity, dynamic                               | : ca. 18 000 mPa.s (25 °C)                    |
| Solubility(ies)                                  |   |
| Water solubility                                 | : slightly soluble (20 °C)                    |
| Solubility in other solvents                     | : No data is available on the product itself. |
| Partition coefficient: n-octanol/water           | : No data is available on the product itself. |
| Vapour pressure                                  | : < 1,4 hPa (20 °C)                           |

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|                          |   |   |
|--------------------------|---|---|
| Density                  | : | 1 g/cm <sup>3</sup> (25 °C)                 |
| Relative density         | : | 1 (25 °C)                                   |
| Relative vapour density  | : | No data is available on the product itself. |
| Particle characteristics | : | No data is available on the product itself. |

### 9.2 Other information

No data is available on the product itself.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

Hazardous reactions : No hazards to be specially mentioned.

### 10.4 Conditions to avoid

Conditions to avoid : None known.

### 10.5 Incompatible materials

Materials to avoid : Strong acids  
Strong bases  
Strong oxidizing agents  
  
None known.

### 10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.  
Hazardous decomposition products : carbon dioxide  
carbon monoxide  
Nitrogen oxides (NO<sub>x</sub>)

## SECTION 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

Not classified due to lack of data.

#### Components:

#### **3,3'-oxybis(ethyleneoxy)bis(propylamine):**

Acute oral toxicity : LD50 (Rat, male and female): 2 850 - 3 160 mg/kg  
Method: OECD Test Guideline 401

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Assessment: The component/mixture is low toxic after single ingestion.

Acute dermal toxicity : LD50 (Rat, male and female): > 2 150 mg/kg  
Method: OECD Test Guideline 402  
Assessment: The component/mixture is low toxic after single contact with skin.

### Skin corrosion/irritation

Causes severe burns.

#### Components:

##### **3,3'-oxybis(ethyleneoxy)bis(propylamine):**

Species : Rabbit  
Method : Other guidelines  
Result : Corrosive after 3 minutes to 1 hour of exposure

### Serious eye damage/eye irritation

Causes serious eye damage.

#### Components:

##### **3,3'-oxybis(ethyleneoxy)bis(propylamine):**

Species : Rabbit  
Assessment : Risk of serious damage to eyes.  
Result : Risk of serious damage to eyes.

### Respiratory or skin sensitisation

#### **Skin sensitisation**

May cause an allergic skin reaction.

#### **Respiratory sensitisation**

Not classified due to lack of data.

#### Components:

##### **3,3'-oxybis(ethyleneoxy)bis(propylamine):**

Exposure routes : Skin  
Species : Other  
Result : May cause sensitisation by skin contact.

Assessment : May be harmful if swallowed or in contact with skin., Causes severe skin burns and eye damage.  
May cause an allergic skin reaction.

### Germ cell mutagenicity

Not classified due to lack of data.

#### Components:

##### **3,3'-oxybis(ethyleneoxy)bis(propylamine):**

Genotoxicity in vitro : Test Type: Ames test  
Test system: Salmonella typhimurium  
Concentration: 5000 ug/plate

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Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 471  
Result: negative

Test Type: Micronucleus test  
Test system: Chinese hamster fibroblasts  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 487  
Result: negative

Test Type: In vitro mammalian cell gene mutation test  
Test system: Chinese hamster ovary cells  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 476  
Result: negative

Germ cell mutagenicity- Assessment : In vitro tests did not show mutagenic effects

### **Carcinogenicity**

Not classified due to lack of data.

### **Reproductive toxicity**

Not classified due to lack of data.

### **Components:**

#### **3,3'-oxybis(ethyleneoxy)bis(propylamine):**

Effects on fertility : Species: Rat, male and female  
Application Route: Oral  
Dose: 100,300,1000 (600 day7) mg/kg  
Frequency of Treatment: 7 days/week  
General Toxicity - Parent: NOAEL: 600 mg/kg body weight  
Fertility: NOAEL: 600 mg/kg body weight  
Early Embryonic Development: NOAEL: 600 mg/kg body weight  
Method: OECD Test Guideline 422

Reproductive toxicity - Assessment : No evidence of adverse effects on sexual function and fertility, or on development, based on animal experiments.

### **STOT - single exposure**

Not classified due to lack of data.

### **STOT - repeated exposure**

Not classified due to lack of data.

### **Repeated dose toxicity**

### **Components:**

#### **3,3'-oxybis(ethyleneoxy)bis(propylamine):**

Species : Rat, male and female  
NOAEL : < 100 mg/kg  
Application Route : oral (gavage)  
Number of exposures : daily

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Dose : 100, 300, 1000(600,day7)mg/kg  
Control Group : yes  
Method : OECD Test Guideline 422

Repeated dose toxicity - Assessment : May be harmful if swallowed or in contact with skin., Causes severe skin burns and eye damage.  
No adverse effect has been observed in chronic toxicity tests.

### Aspiration toxicity

Not classified due to lack of data.

## 11.2 Information on other hazards

### Endocrine disrupting properties

#### Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher

### Experience with human exposure

No data available

### Toxicology, Metabolism, Distribution

No data available

### Neurological effects

No data available

### Further information

No data available

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Components:

#### **3,3'-oxybis(ethyleneoxy)bis(propylamine):**

Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): > 1 000 mg/l  
Exposure time: 96 h  
Test Type: static test  
Method: DIN 38412

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 218,16 mg/l  
Exposure time: 48 h  
Test Type: static test  
Method: Directive 67/548/EEC, Annex V, C.2.

Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): > 500 mg/l  
Exposure time: 72 h  
Test Type: static test  
Method: DIN 38412

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Toxicity to microorganisms : (Pseudomonas putida): 221,9 mg/l  
End point: Growth rate  
Exposure time: 17 h  
Test Type: static test  
Method: DIN 38412

### 12.2 Persistence and degradability

#### Components:

#### **3,3'-oxybis(ethyleneoxy)bis(propylamine):**

Biodegradability : Inoculum: activated sludge  
Concentration: 30 mg/l  
Result: Not readily biodegradable.  
Biodegradation: < 10 %  
Exposure time: 60 d  
Method: OECD Test Guideline 301B

### 12.3 Bioaccumulative potential

#### Components:

#### **3,3'-oxybis(ethyleneoxy)bis(propylamine):**

Partition coefficient: n-octanol/water : log Pow: -1,25 (25 °C)  
pH: 11,1  
Method: OECD Test Guideline 107

### 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 Endocrine disrupting properties

#### Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher

### 12.7 Other adverse effects

No data available

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product : Dispose of contents and container in accordance with all local,

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regional, national and international regulations.  
Do not dispose of waste into sewer.  
Do not contaminate ponds, waterways or ditches with  
chemical or used container.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.

### SECTION 14: Transport information

#### 14.1 UN number or ID number

ADN : UN 2735  
ADR : UN 2735  
RID : UN 2735  
IMDG : UN 2735  
IATA : UN 2735

#### 14.2 UN proper shipping name

ADN : AMINES, LIQUID, CORROSIVE, N.O.S.  
(TRIOXATRIDEKANEDIAMINE)  
ADR : AMINES, LIQUID, CORROSIVE, N.O.S.  
(TRIOXATRIDEKANEDIAMINE)  
RID : AMINES, LIQUID, CORROSIVE, N.O.S.  
(TRIOXATRIDEKANEDIAMINE)  
IMDG : AMINES, LIQUID, CORROSIVE, N.O.S.  
(TRIOXATRIDEKANEDIAMINE)  
IATA : Amines, liquid, corrosive, n.o.s.  
(TRIOXATRIDEKANEDIAMINE)

#### 14.3 Transport hazard class(es)

|      | Class | Subsidiary risks |
|------|-------|------------------|
| ADN  | : 8   |                  |
| ADR  | : 8   |                  |
| RID  | : 8   |                  |
| IMDG | : 8   |                  |
| IATA | : 8   |                  |

#### 14.4 Packing group

ADN  
Packing group : II  
Classification Code : C7  
Hazard Identification Number : 80  
Labels : 8

ADR

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Date of first issue: 04.10.2017

Print Date 07.03.2024

Packing group : II  
Classification Code : C7  
Hazard Identification Number : 80  
Labels : 8  
Tunnel restriction code : (E)

### RID

Packing group : II  
Classification Code : C7  
Hazard Identification Number : 80  
Labels : 8

### IMDG

Packing group : II  
Labels : 8  
EmS Code : F-A, S-B

### IATA (Cargo)

Packing instruction (cargo aircraft) : 855  
Packing instruction (LQ) : Y840  
Packing group : II  
Labels : Corrosive

### IATA (Passenger)

Packing instruction (passenger aircraft) : 851  
Packing instruction (LQ) : Y840  
Packing group : II  
Labels : Corrosive

## 14.5 Environmental hazards

### ADN

Environmentally hazardous : no

### ADR

Environmentally hazardous : no

### RID

Environmentally hazardous : no

### IMDG

Marine pollutant : 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 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

## SECTION 15: Regulatory information

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

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

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- REACH - List of substances subject to authorisation (Annex XIV) : Not applicable
- REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : This product does not contain substances of very high concern.
- REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : Conditions of restriction for the following entries should be considered:  
Number on list 3
- Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. : Not applicable
- Occupational Illnesses (R-461-3, France) : Not applicable

### Other regulations:

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

### The components of this product are reported in the following inventories:

- DSL : This product contains one or several components that are not on the Canadian DSL nor NDSL.
- AIIC : Not in compliance with the inventory
- ENCS : Not in compliance with the inventory
- KECI : Not in compliance with the inventory
- PICCS : Not in compliance with the inventory
- IECSC : Not in compliance with the inventory
- TCSI : Not in compliance with the inventory
- TSCA : All substances listed as active on the TSCA inventory

### Inventories

# SAFETY DATA SHEET

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AICS (Australia), AIIC (Australia), DSL (Canada), IECSC (China), ENCS (Japan), KECI (Korea), NZIOC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (United States of America (USA))

### 15.2 Chemical safety assessment

Chemical Safety Assessments for all substances in this product are either Complete or Not applicable.

## SECTION 16: Other information

### Full text of H-Statements

H314 : Causes severe skin burns and eye damage.  
H317 : May cause an allergic skin reaction.  
H318 : Causes serious eye damage.

### Full text of other abbreviations

Eye Dam. : Serious eye damage  
Skin Corr. : Skin corrosion  
Skin Sens. : Skin sensitisation

### Further information

#### Classification of the mixture:

|               |      |
|---------------|------|
| Skin Corr. 1B | H314 |
| Eye Dam. 1    | H318 |
| Skin Sens. 1  | H317 |

#### Classification procedure:

|                    |
|--------------------|
| Calculation method |
| Calculation method |
| Calculation method |

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IN ALL CASES, IT IS THE RESPONSIBILITY OF THE USER TO DETERMINE THE APPLICABILITY OF SUCH INFORMATION AND RECOMMENDATIONS AND THE SUITABILITY OF ANY PRODUCT FOR ITS OWN PARTICULAR PURPOSE.

THE PRODUCT MAY PRESENT HAZARDS AND SHOULD BE USED WITH CAUTION. WHILE CERTAIN HAZARDS ARE DESCRIBED IN THIS PUBLICATION, NO GUARANTEE IS MADE THAT THESE ARE THE ONLY HAZARDS THAT EXIST.

Hazards, toxicity and behaviour of the products may differ when used with other materials and are dependent upon the manufacturing circumstances or other processes. Such hazards, toxicity and behaviour should be determined by the user and made known to handlers, processors and end users.

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