



## C-SYSTEMS 10 10 CFS component A

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

#### 1.1 Product identifier

Trade name : C-10 10 CFS A  
UFI : 2N10-JOHT-100F-73K2

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

Use of the : Casting Resin  
Substance/Mixture

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

Company Cecchi Gustavo & C. srl - Via M. Coppino 253,  
55049 Viareggio (LU) ITALY www.cecchi.it - info@cecchi.it  
Information in case of emergency: +39 0584 383694 - info@cecchi.it  
From monday to friday office hours 8:30 – 12:30, 14:00 – 18:30

#### 1.1 Emergency telephone number

+39 0584 383694

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### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

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

Skin corrosion, Category 1C	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.
Reproductive toxicity, Category 1B	H360: May damage fertility or the unborn child if swallowed.
Long-term (chronic) aquatic hazard, Category 2	H411: Toxic to aquatic life with long lasting effects.

#### 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.  
H360 May damage fertility or the unborn child if swallowed.  
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

: **Prevention:**  
P201 Obtain special instructions before use.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

**Response:**  
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.  
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.  
P308 + P313 IF exposed or concerned: Get medical advice/ attention.

Hazardous components which must be listed on the label:

bis-[4-(2,3-epoxypropoxy)phenyl]propane

1,4-bis(2,3 epoxypropoxy)butane

1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-, polymer with (chloromethyl) oxirane

Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl Sebacate

### 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 : Modified epoxy resin

**Hazardous components**

Chemical name	CAS-No. EC-No./List Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration (%)
bis-[4-(2,3-epoxypropoxy)phenyl]propane	1675-54-3 216-823-5 01-2119456619-26	Eye Irrit.2; H319 Skin Irrit.2; H315 Skin Sens.1; H317 Aquatic Chronic2; H411	>= 50 - <= 100
1,4-bis(2,3 epoxypropoxy)butane	2425-79-8 219-371-7 01-2119494060-45	Acute Tox.4; H302 Acute Tox.4; H312 Acute Tox.4; H332 Eye Dam.1; H318 Skin Irrit.2; H315 Skin Sens.1; H317 Aquatic Chronic3; H412	>= 10 - < 12,5
1,3-Propanediol, 2-ethyl-2-(hydroxymethyl)-, polymer with (chloromethyl) oxirane	30499-70-8	Skin Corr.1C; H314 Eye Dam.1; H318 Skin Sens.1B; H317 Repr.1B; H360 Aquatic Chronic2; H411	>= 7 - < 10
benzyl alcohol	100-51-6 202-859-9 01-2119492630-38	Acute Tox.4; H302 Acute Tox.4; H332 Eye Irrit.2; H319	>= 3 - < 5
Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl Sebacate	1065336-91-5 01-2119491304-40	Skin Sens.1A; H317 Aquatic Acute1; H400 Aquatic Chronic1; H410	>= 0,25 - < 0,5

For explanation of abbreviations see section 16.

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

General advice : Keep warm and in a quiet place.  
Show this safety data sheet to the doctor in attendance.  
Take off all contaminated clothing immediately.



If inhaled	: Move to fresh air. Keep patient warm and at rest. If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician. If breathing is irregular or stopped, administer artificial respiration.
In case of skin contact	: Wash off immediately with soap and plenty of water. Do NOT use solvents or thinners. If on clothes, remove clothes. If skin irritation persists, call a physician.
In case of eye contact	: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist. If easy to do, remove contact lens, if worn.
If swallowed	: Keep at rest. Do not induce vomiting without medical advice. Keep respiratory tract clear. If symptoms persist, call a physician.

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

Symptoms	: irritant effects Redness sensitising effects
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#### 4.3 Indication of any immediate medical attention and special treatment needed

Treatment	: The first aid procedure should be established in consultation with the doctor responsible for industrial medicine.
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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media	: Foam Sand Carbon dioxide (CO <sub>2</sub> ) Water mist
Unsuitable extinguishing media	: Water spray jet

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

Specific hazards during firefighting	: The pressure in sealed containers can increase under the influence of heat. Cool closed containers exposed to fire with water spray.
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### 5.3 Advice for firefighters

- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.  
Use personal protective equipment.
- Further information : In the event of fire and/or explosion do not breathe fumes.  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Immediately evacuate personnel to safe areas.  
Prevent fire extinguishing water from contaminating surface water or the ground water system.  
Fire residues and contaminated fire extinguishing water must 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 : Refer to protective measures listed in sections 7 and 8.  
Evacuate personnel to safe areas.  
Use personal protective equipment.  
Ensure adequate ventilation.  
Inform the responsible authorities in case of gas leakage, or of entry into waterways, soil or drains.

### 6.2 Environmental precautions

- Environmental precautions : Do not allow uncontrolled discharge of product into the environment.  
Try to prevent the material from entering drains or water courses.  
Local authorities should be advised if significant spillages cannot be contained.

### 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).  
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).  
Pick up and transfer to properly labelled containers.

### 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 : Provide sufficient air exchange and/or exhaust in work rooms.  
Avoid inhalation, ingestion and contact with skin and eyes.



Wear personal protective equipment.  
Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Advice on protection against fire and explosion : Keep away from open flames, hot surfaces and sources of ignition.

Hygiene measures : Provide adequate ventilation. Wash hands and face before breaks and immediately after handling the product.

## 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labelled containers.

Advice on common storage : Keep away from oxidizing agents, strongly acid or alkaline materials and amines.  
Keep product and empty container away from heat and sources of ignition.  
Keep away from food and drink.

Other data : Stable at normal ambient temperature and pressure.

## 7.3 Specific end use(s)

Specific use(s) : Consult the technical guidelines for the use of this substance/mixture.

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## 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:

bis-[4-(2,3-epoxipropoxy)phenyl]propane : End Use: Workers  
Exposure routes: Skin contact  
Potential health effects: Acute systemic effects, Long-term systemic effects  
Value: 8,33 mg/kg  
End Use: Workers  
Exposure routes: Inhalation  
Potential health effects: Acute systemic effects, Long-term local effects  
Value: 12,25 mg/m<sup>3</sup>  
End Use: Consumers  
Exposure routes: Skin contact  
Potential health effects: Acute systemic effects, Long-term systemic effects  
Value: 3,571 mg/kg  
End Use: Consumers  
Exposure routes: Ingestion



benzyl alcohol

Potential health effects: Acute systemic effects, Long-term systemic effects  
 Value: 0,75 mg/kg  
 : End Use: Workers  
 Exposure routes: Inhalation  
 Potential health effects: Short-term exposure, Systemic effects  
 Value: 450 mg/m<sup>3</sup>  
 End Use: Workers  
 Exposure routes: Inhalation  
 Potential health effects: Long-term exposure, Systemic effects  
 Value: 90 mg/m<sup>3</sup>  
 End Use: Workers  
 Exposure routes: Skin contact  
 Potential health effects: Short-term exposure, Systemic effects  
 Value: 47 mg/kg  
 End Use: Workers  
 Exposure routes: Skin contact  
 Potential health effects: Long-term exposure, Systemic effects  
 Value: 9,5 mg/kg  
 End Use: Consumers  
 Exposure routes: Ingestion  
 Potential health effects: Short-term exposure, Systemic effects  
 Value: 25 mg/kg  
 End Use: Consumers  
 Exposure routes: Ingestion  
 Potential health effects: Long-term exposure, Systemic effects  
 Value: 5 mg/kg  
 End Use: Consumers  
 Exposure routes: Inhalation  
 Potential health effects: Short-term exposure, Systemic effects  
 Value: 40,55 mg/m<sup>3</sup>  
 End Use: Consumers  
 Exposure routes: Inhalation  
 Potential health effects: Long-term exposure, Systemic effects  
 Value: 8,11 mg/m<sup>3</sup>  
 End Use: Consumers  
 Exposure routes: Skin contact  
 Potential health effects: Short-term exposure, Systemic effects  
 Value: 28,5 mg/kg  
 End Use: Consumers  
 Exposure routes: Skin contact  
 Potential health effects: Long-term exposure, Systemic effects  
 Value: 5,7 mg/kg

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

bis-[4-(2,3-epoxipropoxy)phenyl]propane

: Fresh water  
 Value: 0,006 mg/l  
 Marine water  
 Value: 0,0006 mg/l  
 Intermittent releases  
 Value: 0,018 mg/l  
 Sewage treatment plant  
 Value: 10 mg/l  
 Fresh water sediment



	Value: 0,996 mg/kg
	Marine sediment
	Value: 0,0996 mg/kg
	Soil
	Value: 0,196 mg/kg
benzyl alcohol	: Fresh water
	Value: 1 mg/l
	Marine water
	Value: 0,1 mg/l
	Fresh water sediment
	Value: 5,27 mg/kg
	Marine sediment
	Value: 0,527 mg/kg
	Soil
	Value: 0,456 mg/kg
	Sewage treatment plant
	Value: 39 mg/l
	Intermittent releases
	Value: 2,3 mg/l

## 8.2 Exposure controls

### Engineering measures

Effective exhaust ventilation system  
effective ventilation in all processing areas

### Personal protective equipment

Eye protection	: Do not wear contact lenses. Safety glasses with side-shields conforming to EN166 Ensure that eyewash stations and safety showers are close to the workstation location.
Hand protection	
Material	: Protective gloves complying with EN 374.
Skin and body protection	: Protective suit
Respiratory protection	: Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. In the case of vapour formation use a respirator with an approved filter. Equipment should conform to EN 14387 Apply technical measures to comply with the occupational exposure limits. This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation.
Protective measures	: Avoid contact with skin. Wear suitable protective equipment.



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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance	: liquid
Colour	: purple
Odour	: slight
Odour Threshold	: not determined
pH	: 4 - 6, 1 %
Melting point/freezing point	: Not applicable
Boiling point/boiling range	: > 200 °C
Flash point	: 150 °C
Evaporation rate	: not determined
Upper explosion limit	: Not applicable
Lower explosion limit	: Not applicable
Vapour pressure	: Not applicable
Relative vapour density	: not determined
Density	: 1,12 g/cm <sup>3</sup> (25 °C)
Bulk density	: not determined
Solubility(ies) Solubility in other solvents	: not determined
Partition coefficient: n- octanol/water	: No data available
Ignition temperature	: Not applicable
Auto-ignition temperature	: Not applicable
Thermal decomposition	: Method: No data available
Viscosity Viscosity, dynamic	: 600 - 900 mPa.s (25 °C)

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Viscosity, kinematic	: not determined
Explosive properties	: Not applicable
Oxidizing properties	: Not applicable

### 9.2 Other information

Surface tension	: not determined
Sublimation point	: Not applicable

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Stable under recommended storage conditions.

### 10.2 Chemical stability

No decomposition if stored and applied as directed.

### 10.3 Possibility of hazardous reactions

Hazardous reactions	: Reacts with the following substances: Bases Strong oxidizing agents Avoid amines.
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### 10.4 Conditions to avoid

Conditions to avoid	: No decomposition if used as directed.
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### 10.5 Incompatible materials

Materials to avoid	: Incompatible with oxidizing agents.
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### 10.6 Hazardous decomposition products

Hazardous decomposition products	: This product may release the following: Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).
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## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

##### **Product:**

Acute oral toxicity	: Acute toxicity estimate : > 2.000 mg/kg Method: Calculation method
Acute inhalation toxicity	: Acute toxicity estimate : > 5 mg/l

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Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate : > 2.000 mg/kg  
Method: Calculation method

Acute toxicity (other routes of administration) :  
Remarks: No data available

### **Components:**

#### **bis-[4-(2,3-epoxipropoxi)phenyl]propane:**

Acute oral toxicity : LD50 (Rat, female): > 2.000 mg/kg  
Method: OECD Test Guideline 420  
GLP: yes

Acute dermal toxicity : LD50 (Rat, male and female): > 2.000 mg/kg  
Method: OECD Test Guideline 402  
GLP: yes

#### **benzyl alcohol:**

Acute inhalation toxicity : LC50 (Rat, male and female): > 4.178 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403  
GLP: yes

### **Skin corrosion/irritation**

#### **Product:**

Remarks: No data available

### **Components:**

#### **bis-[4-(2,3-epoxipropoxi)phenyl]propane:**

Species: Rabbit  
Exposure time: 4 h  
Method: OECD Test Guideline 404  
Result: Skin irritation  
GLP: yes

#### **benzyl alcohol:**

Species: Rabbit  
Method: OECD Test Guideline 404  
Result: No skin irritation  
GLP: yes

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

#### **Product:**

Remarks: No data available

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### **Components:**

#### **benzyl alcohol:**

Species: Rabbit

Method: OECD Test Guideline 405

Result: Eye irritation

GLP: yes

### **Respiratory or skin sensitisation**

#### **Product:**

Remarks: No data available

### **Components:**

#### **bis-[4-(2,3-epoxipropoxy)phenyl]propane:**

Test Type: Mouse Local Lymph Node assay (LLNA)

Species: Mouse

Method: OECD Test Guideline 429

Result: May cause sensitisation by skin contact.

GLP: yes

### **Germ cell mutagenicity**

### **Carcinogenicity**

#### **Product:**

Remarks: No data available

### **Reproductive toxicity**

#### **Product:**

Effects on fertility : Remarks: No data available

Remarks: No data available

Effects on foetal : Remarks: No data available

development Remarks: No data available

### **STOT - single exposure**

#### **Product:**

Remarks: Not applicable

### **STOT - repeated exposure**

### **Repeated dose toxicity**

#### **Product:**

Remarks: No data available

**Aspiration toxicity****Components:****bis-[4-(2,3-epoxipropoxy)phenyl]propane:**

No aspiration toxicity classification

**Further information****Product:**

Remarks: No data available

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**SECTION 12: Ecological information****12.1 Toxicity****Product:**

Toxicity to fish : Remarks: No data available

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

**Components:****bis-[4-(2,3-epoxipropoxy)phenyl]propane:**Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia (water flea)): 1,7 mg/l  
Exposure time: 48 h  
Test Type: static test  
Method: OECD Test Guideline 202  
GLP: yesToxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0,3 mg/l  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)  
Test Type: semi-static test  
Method: OECD Test Guideline 211  
GLP: yes**benzyl alcohol:**Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 230 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202  
GLP: yesToxicity to algae : ErC50 (Pseudokirchneriella subcapitata (green algae)): 770 mg/l  
Exposure time: 72 h  
Test Type: static test  
Method: OECD Test Guideline 201  
GLP: yes

**Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl Sebacate:**M-Factor (Short-term (acute) : 1  
aquatic hazard)M-Factor (Long-term : 1  
(chronic) aquatic hazard)**12.2 Persistence and degradability****Product:**

Biodegradability : Remarks: No data available

Physico-chemical : Remarks: No data available  
removability**Components:****bis-[4-(2,3-epoxipropoxi)phenyl]propane:**Biodegradability : Result: Not readily biodegradable.  
Method: OECD Test Guideline 301F  
GLP: yes**12.3 Bioaccumulative potential****Product:**

Bioaccumulation : Remarks: No data available

**Components:****bis-[4-(2,3-epoxipropoxi)phenyl]propane:**Partition coefficient: n- : log Pow: 3,242 (25 °C)  
octanol/water pH: 7,1  
Method: OECD Test Guideline 117  
GLP: yes**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 : Remarks: An environmental hazard cannot be excluded in the  
information event of unprofessional handling or disposal.

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Product	: In accordance with local and national regulations. Container hazardous when empty. Do not dispose of with domestic refuse. Do not mix waste streams during collection.
Contaminated packaging	: Empty containers should be taken to an approved waste handling site for recycling or disposal.

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## SECTION 14: Transport information

### 14.1 UN number

ADR/RID/ADN	: UN 1760
IMDG	: UN 1760
IATA	: UN 1760

### 14.2 UN proper shipping name

ADR/RID/ADN	: CORROSIVE LIQUID, N.O.S. (Reaction mass of 1-(2,3-epoxypropoxy)-2,2-bis ((2,3-epoxypropoxy)methyl) butane and 1-(2,3-epoxypropoxy)-2-((2,3-epoxypropoxy)methyl, bis-[4-(2,3-epoxipropoxi)phenyl]propane)
IMDG	: CORROSIVE LIQUID, N.O.S. (Reaction mass of 1-(2,3-epoxypropoxy)-2,2-bis ((2,3-epoxypropoxy)methyl) butane and 1-(2,3-epoxypropoxy)-2-((2,3-epoxypropoxy)methyl, bis-[4-(2,3-epoxipropoxi)phenyl]propane)
IATA	: Corrosive liquid, n.o.s. (Reaction mass of 1-(2,3-epoxypropoxy)-2,2-bis ((2,3-epoxypropoxy)methyl) butane and 1-(2,3-epoxypropoxy)-2-((2,3-epoxypropoxy)methyl, bis-[4-(2,3-epoxipropoxi)phenyl]propane)

### 14.3 Transport hazard class(es)

ADR/RID/ADN	: 8
IMDG	: 8
IATA	: 8

### 14.4 Packing group

ADR/RID/ADN	
Packing group	: III
Classification Code	: C9

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Hazard Identification Number : 80  
Labels : 8  
Tunnel restriction code : E  
Remarks :

### IMDG

Packing group : III  
Labels : 8  
EmS Code : F-A, S-B  
Remarks : IMDG Code segregation group - none

### IATA

Packing instruction (cargo aircraft) : 856  
Packing instruction (passenger aircraft) : 852  
Packing group : III  
Labels : 8

## 14.5 Environmental hazards

### ADR/RID/ADN

Environmentally hazardous : yes

### IMDG

Marine pollutant : yes

### IATA

Environmentally hazardous : yes

## 14.6 Special precautions for user

Remarks : The transport of dangerous goods, including their loading and unloading, must be done by people who received the necessary training required by Modal Regulations.

## 14.7 Transport in bulk according to Annex II of MARPOL 73/78 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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : 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 (Regulation (EC) No 1907/2006 (REACH), Article 57).





REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

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

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

E2	ENVIRONMENTAL HAZARDS	Quantity 1 200 t	Quantity 2 500 t

## 15.2 Chemical safety assessment

Not applicable

## SECTION 16: Other information

### Full text of H-Statements

H302 : Harmful if swallowed.  
 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.  
 H332 : Harmful if inhaled.  
 H360 : May damage fertility or the unborn child if swallowed.  
 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.  
 H412 : Harmful to aquatic life with long lasting effects.

### Full text of other abbreviations

Acute Tox. : Acute toxicity  
 Aquatic Acute : Short-term (acute) aquatic hazard  
 Aquatic Chronic : Long-term (chronic) aquatic hazard  
 Eye Dam. : Serious eye damage  
 Eye Irrit. : Eye irritation  
 Repr. : Reproductive toxicity  
 Skin Corr. : Skin corrosion  
 Skin Irrit. : Skin irritation  
 Skin Sens. : Skin sensitisation

### Further information

Training advice : Provide adequate information, instruction and training for operators.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification.

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