

# SAFETY DATA SHEETS

**This SDS packet was issued with item:**

076314132

N/A

## SAFETY DATA SHEET

### 1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

#### Identification of the substance or preparation:

Name: RACEGEL.  
Product code: RD81.

#### Company/undertaking identification:

Registered company name: SEPTODONT Ltd.  
Address: Units R&S Orchard Business Centre St Barnabas Close.ME16 OJZ.Allington, Maidstone, Kent.UK.  
Telephone: + 44.1.622.69.55.20. Fax: + 44.1.622.69.55.21.  
msds@septodont.com  
Distributor

#### Emergency telephone: 0870 600 6266.

Association/Organisation: UK National Poisons Emergency number.

### 2 - HAZARDS IDENTIFICATION

This product is not classified as flammable. Refer to the recommendations regarding the other products present on the site  
Possibility of irritation to the eyes, by inhalation and skin.

#### Preparation classification:



Irritant

R 36/37/38 Irritating to eyes, respiratory system and skin.

#### Other data:

Packaging < 125 ml.

### 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Full text of risk phrases appearing in section 3: see section 16.

#### Hazardous substances present on their own:

(present in the preparation at a sufficient concentration to give it the toxicological characteristics it would have in a 100% pure state)

INDEX	CAS	EC	Name	Symb.	R:	%
10808325	7784-13-6	2312081	CHLORURE D'ALUMINIUM	Xi	36/37/38	25 <= x % < 50

#### Other substances representing a hazard:

No known substance in this category present.

#### Substances present at a concentration below the minimum danger threshold:

No known substance in this category present.

#### Other substances with occupational exposure limits:

INDEX	CAS	EC	Name	Symb.	R:	%
603-002-00-5	64-17-5	200-578-6	ETHANOL	F	11	10 <= x % < 25

### 4 - FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.  
NEVER induce swallowing in an unconscious person.

#### In the event of exposure by inhalation:

In the event of inhalation, move the patient into the fresh air and keep him/her warm and still.  
If breathing is irregular or has stopped, effect mouth-to-mouth resuscitation and call a doctor.  
Do not give the patient anything orally.  
If the person is unconscious, place in the recovery position and call an ambulance.

#### In the event of splashes or contact with eyes:

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.  
Refer the patient to an ophthalmologist, in particular if there is any redness, pain or visual impairment.

**In the event of splashes or contact with skin:**

DO NOT use solvents or thinners.

**In the event of swallowing:**

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.  
Call a doctor immediately and show him the label.

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**5 - FIRE-FIGHTING MEASURES**

Not relevant.

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**6 - ACCIDENTAL RELEASE MEASURES**

**Personal precautions:**

Avoid any contact with the skin and eyes.  
Avoid inhaling dust.  
Consult the safety measures listed under headings 7 and 8.  
If a large quantity has been spilt, evacuate all personnel and only allow intervention by trained operators equipped with safety apparatus.

**Environmental precautions:**

Prevent any material from entering drains or waterways.  
Use drums to dispose of waste recovered in accordance with applicable regulations (see heading 13).  
If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures

**Methods for cleaning up:**

Clean preferably with a detergent, do not use solvents.

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**7 - HANDLING AND STORAGE**

The regulations relating to storage premises apply to workshops where the product is handled.

**Handling:**

Handle in well-ventilated areas.

**Fire prevention:**

Prevent access by unauthorised personnel.

**Recommended equipment and procedures:**

For personal safety, see §8.  
Observe precautions stated on label and also industrial safety regulations  
In all cases, recover emissions at source  
Also provide breathing apparatus for certain short tasks of an exceptional nature and for emergency interventions  
Avoid contact of product with the skin and eyes

**Prohibited equipment and procedures:**

Smoking, eating and drinking are prohibited in premises where the preparation is used  
Never open the packages under pressure

**Storage:**

Keep the container tightly closed in a dry place.

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**8 - EXPOSURE CONTROLS/PERSONAL PROTECTION**

Use personal protection equipment as per Directive 89/686/EEC.

**Technical measures:**

Ensure adequate ventilation, if possible with extractor fans at work posts and appropriate general extraction.  
Check the atmosphere periodically.  
If this ventilation is insufficient to maintain the concentration of vapors below the exposure limits, wear breathing apparatus

**Exposure limit values per INRS ED 984:**

France	VME-ppm:	VME-mg/m3:	VLE-ppm:	VLE-mg/m3:	Notes:	TMP N°:
64-17-5	1000	1900	5000	9500	-	84

**Exposure limit values (2003-2006):**

Germany/AGW	AGW:	AGW:	Faktor:	Bemerkungen:	
64-17-5	500 ml/m3	960 mg/m3	2(II)	DFG. Y	
UK/WELs	TWA:	STEL:	Ceiling:	Definition:	Criterion:
64-17-5	1000 ppm	-	-	-	-

UK/OES	TWA:	STEL:	Ceiling:	Definition:	Criterion:
64-17-5	1000 ppm	-	-	-	-
ACGIH/TLV	TWA:	STEL:	Ceiling:	Definition:	Criterion:
64-17-5	1000 ppm	-	-	-	-

**Hand protection:**

Protective creams may be used for exposed skin, but they should not be applied after contact with the product.  
In the event of prolonged or repeated contact with the hands, use appropriate gloves.

**Eye and face protection:**

Avoid contact with eyes.  
Wear safety goggles.  
Provide eye washes in workshops where the product is constantly handled

**Skin protection:**

For further information, see § 11 of S.D.S. - Toxicological information.

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**9 - PHYSICAL AND CHEMICAL PROPERTIES**

**General information:**

Physical state: paste

**Important health, safety and environmental information:**

pH of the substance or preparation: not relevant.  
The pH is impossible to measure or its value is not relevant.  
Boiling point/boiling range: not specified.  
Flash point interval: not stated.  
Vapour pressure: not relevant.  
Density: not stated.  
Water solubility: Insoluble.

**Other information:**

melting point/melting range: not specified.  
Self-ignition temperature: not specified.  
Decomposition point/decomposition range : not specified.

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**10 - STABILITY AND REACTIVITY**

The preparation is stable at the handling and storage conditions recommended per § 7 of the safety data sheet,

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**11 - TOXICOLOGICAL INFORMATION**

No data is available regarding the preparation itself.  
It is generally agreed that substances contained are likely to cause the appearance of major lesions which persist for at least twenty-four hours after application to the eye of an animal and are likely to cause significant irritation which lasts for at least twenty four hours after application to the healthy, unbroken skin of an animal for a period of up to 4 hours.  
It is generally agreed that substances contained are likely to cause serious irritation of the respiratory system and, when applied to the eye of an animal, the appearance of major lesions which persist for at least twenty-four hours.

**Other data:**

CAS 64-17-5 : IARC Group 1: The agent is carcinogenic to humans.

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**12 - ECOLOGICAL INFORMATION**

No ecological data on the product itself is available.  
The product must not be allowed to run into drains or waterways.

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**13 - DISPOSAL CONSIDERATIONS**

Do not pour into drains or waterways.

**Waste:**

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.  
Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

**Soiled packaging:**

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

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#### 14 - TRANSPORT INFORMATION

Exempt from transport classification and labelling.

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2009 - IMDG 2008 - ICAO/IATA 2009).

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#### 15 - REGULATORY INFORMATION

Packaging < 125 ml.

##### Classification by:

So called 'all preparations' Directive 1999/45/EC and its adaptations.

EC regulation 1272/2008 (CLP) and its adaptations (EC regulation 790/2009).

##### Preparation classification:



Irritant

##### Particular hazards associated with the preparation and safety recommendations:

- |            |                                                                                               |
|------------|-----------------------------------------------------------------------------------------------|
| R 36/37/38 | Irritating to eyes, respiratory system and skin.                                              |
| S 26       | In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |
| S 37       | Wear suitable gloves.                                                                         |
| S 60       | This material and its container must be disposed of as hazardous waste.                       |

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#### 16 - OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The product must not be used for any purposes other than those specified under heading 1 without first obtaining written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information given on this safety data sheet must be regarded as a description of the safety requirements relating to our product and not a guarantee of its properties

##### Full text of risk phrases appearing in section 3:

- |            |                                                  |
|------------|--------------------------------------------------|
| R 11       | Highly flammable.                                |
| R 36/37/38 | Irritating to eyes, respiratory system and skin. |

**Safety data sheet**  
According to 1907/2006/EC, Article 31

Printing date 02.12.2017

Version number 3

Revision: 02.12.2017

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

- **1.1 Product identifier**
- **Trade name: Racegel**
- **Article number / formula: 287S**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the preparation : dental product**
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
SEPTODONT.  
58 rue du Pont de Creteil  
94100 Saint Maur des Fosses  
France  
Téléphone: +33(0)149767000  
Fax: +33(0)148855401  
msds@septodont.com  
http://www.septodont.com
- **1.4 Emergency telephone number:**  
France (INRS 24h/24) - Tel : +33 (0)1 45 42 59 59  
Ireland - Tel : 00 353 1 8092568 - 00 353 1 8379964 (24h/24) EU Tel: 112  
Belgique - Tel : 32 070/245 245  
UK : +44 (0)-870-190-6777 (CARECHEM24)

**SECTION 2: Hazards identification**

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008 :**



- Skin Irrit. 2 H315 Causes skin irritation.
- Eye Irrit. 2 H319 Causes serious eye irritation.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



- **Signal word** Warning
- **Hazard statements**  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.
- **Precautionary statements**  
P264 Wash hands thoroughly after handling.  
P280 Wear protective gloves / eye protection / face protection.  
P302+P352 IF ON SKIN: Wash with plenty of water.

(Contd. on page 2)

**Safety data sheet**  
According to 1907/2006/EC, Article 31

Printing date 02.12.2017

Version number 3

Revision: 02.12.2017

**Trade name: Racegel**

(Contd. of page 1)

P305+P351+P338 **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

**SECTION 3: Composition/information on ingredients**

- **3.2 Chemical characterisation: Mixtures**
- **Description:** Mixture: consisting of the following components.

· **Dangerous components:**

CAS: 7784-13-6 EINECS: 231-208-1	aluminum chloride hexahydrate ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	10-25%
CAS: 64-17-5 EINECS: 200-578-6 Index number: 603-002-00-5 RTECS: KQ 6300000 Reg.nr.: 01-2119457610-43-xxxx	ethanol ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319	10-25%

- **SVHC** No
- **Additional information:** For the wording of the listed risk phrases, refer to section 16.

**SECTION 4: First aid measures**

- **4.1 Description of first aid measures**
- **After excessive inhalation:**  
In case of unconsciousness place patient in a stable laying down side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult a doctor.
- **4.2 Most important symptoms and effects, both acute and delayed :**  
No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed :**  
No further relevant information available.

**SECTION 5: Firefighting measures**

- **5.1 Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **5.2 Special hazards arising from the substance or mixture :** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

**SECTION 6: Accidental release measures**

- **6.1 Personal precautions, protective equipment and emergency procedures :** Not required.

(Contd. on page 3)

**Safety data sheet**  
According to 1907/2006/EC, Article 31

Printing date 02.12.2017

Version number 3

Revision: 02.12.2017

**Trade name: Racegel**

(Contd. of page 2)

- **6.2 Environmental precautions:** Do not allow the product to enter sewers/ surface water or ground water.
- **6.3 Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **6.4 Reference to other sections :**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protective equipment.  
See Section 13 for disposal information.

**SECTION 7: Handling and storage**

- **7.1 Precautions for safe handling :** No special precautions are necessary if used correctly.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.
- **7.3 Specific end use(s) :** No further relevant information available.

**SECTION 8: Exposure controls/personal protection**

- **Additional information about design of technical facilities:** No further data; see section 7.
- **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

**CAS: 64-17-5 ethanol (10-25%)**

WEL (Great Britain)	Long-term value: 1920 mg/m <sup>3</sup> , 1000 ppm
MAK (Switzerland)	Short-term value: 1920 mg/m <sup>3</sup> , 1000 ppm Long-term value: 960 mg/m <sup>3</sup> , 500 ppm SSc;

· **DNELs**

**CAS: 64-17-5 ethanol**

Dermal	DNEL Worker long-term systemic	343 mg/kg bw/d
Inhalative	DNEL Worker long-term systemic	950 mg/m <sup>3</sup>
	DNEL Worker acute/short-term local effects	19 mg/m <sup>3</sup>

· **PNECs**

**CAS: 64-17-5 ethanol**

Oral	PNEC sediment (fresh water)	3.6 mg/kg
	PNEC STP	0.72 mg/L
	PNEC aqua (fresh water)	0.96 mg/L
	PNEC aqua (marine water)	0.79 mg/L
	PNEC sediment (marine water)	2.9 mg/kg
	PNEC soil	0.63 mg/kg

· **Additional information:**

The most current valid lists have been used as a basis for the production of this document.

(Contd. on page 4)



**Safety data sheet**  
According to 1907/2006/EC, Article 31

Printing date 02.12.2017

Version number 3

Revision: 02.12.2017

**Trade name: Racegel**

(Contd. of page 3)

- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Keep away from food, beverages and petfood.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.
- **Respiratory protection:** Not required.
- **Protection of hands:**



Protective gloves

- **Gloves material :** Butyl rubber, BR
- **Eye protection:**



Tightly sealed goggles

**SECTION 9: Physical and chemical properties**

- **9.1 Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

<b>Form:</b>	gel
<b>Colour:</b>	Orange
<b>Odour:</b>	Characteristic
<b>Odour threshold:</b>	Not determined.

<b>pH-value:</b>	2.3-3.5
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- **Change in condition**

<b>Melting point/freezing point:</b>	Undetermined.
<b>Initial boiling point and boiling range:</b>	Undetermined.

<b>Flash point:</b>	Not applicable.
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<b>Flammability (solid, gas):</b>	Not applicable.
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<b>Ignition temperature:</b>	425 °C
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<b>Decomposition temperature:</b>	Not determined.
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<b>Auto-ignition temperature:</b>	Product is not self igniting.
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<b>Explosive properties:</b>	Product does not present an explosion hazard.
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- **Explosion limits:**

<b>Lower:</b>	3,5 Vol %
<b>Upper:</b>	15,0 Vol %

<b>Vapour pressure at 20 °C:</b>	59 hPa
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<b>Density:</b>	Not determined.
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<b>Relative density :</b>	Not determined.
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(Contd. on page 5)

**Safety data sheet**  
According to 1907/2006/EC, Article 31

Printing date 02.12.2017

Version number 3

Revision: 02.12.2017

**Trade name: Racegel**

(Contd. of page 4)

- **Vapour density :** *Not determined.*
- **Evaporation rate :** *Not determined.*
- **Solubility in / Miscibility with water:** *Not miscible or difficult to mix.*
- **Segregation coefficient (n-octanol/water):** *Not determined.*
- **Viscosity:**
  - Dynamic: Not determined.*
  - Kinematic: Not determined.*
- **Solvent content:**
  - VOC (EC)** *21.90 %*
- **9.2 Other information :** *No further relevant information available.*

**SECTION 10: Stability and reactivity**

- **10.1 Reactivity** *No further relevant information available.*
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** *No decomposition if used according to specifications.*
- **10.3 Possibility of hazardous reactions :** *No dangerous reactions known.*
- **10.4 Conditions to avoid :** *No further relevant information available.*
- **10.5 Incompatible materials:** *No further relevant information available.*
- **10.6 Hazardous decomposition products:** *No dangerous decomposition products known.*

**SECTION 11: Toxicological information**

- **11.1 Information on toxicological effects**
- **Acute toxicity** *Based on available data, the classification criteria are not met.*

· **LD/LC50 values relevant for classification:**

**CAS: 64-17-5 ethanol**

Oral	LD50	7,060 mg/kg (rat)
Inhalative	LC50/4 h	20,000 mg/l (rat)

- **Primary irritant effect:**
- **On the skin:** *Causes skin irritation.*
- **On the eyes:** *Causes serious eye irritation.*
- **Respiratory or skin sensitization** *Based on available data, the classification criteria are not met.*
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** *Based on available data, the classification criteria are not met.*
- **Carcinogenicity** *Based on available data, the classification criteria are not met.*
- **Reproductive toxicity** *Based on available data, the classification criteria are not met.*
- **STOT-single exposure** *Based on available data, the classification criteria are not met.*
- **STOT-repeated exposure** *Based on available data, the classification criteria are not met.*
- **Aspiration hazard** *Based on available data, the classification criteria are not met.*

GB  
(Contd. on page 6)

**Safety data sheet**  
According to 1907/2006/EC, Article 31

Printing date 02.12.2017

Version number 3

Revision: 02.12.2017

**Trade name: Racegel**

(Contd. of page 5)

**SECTION 12: Ecological information**

**· 12.1 Toxicity**

**· Aquatic toxicity:**

**CAS: 64-17-5 ethanol**

EC50 72h 275 mg/l (Algae)

EC50 48h 12,340 mg/l (daphnia)

EC50 96h 13,000 mg/l (fish)

**· 12.2 Persistence and degradability :** No further relevant information available.

**· 12.3 Bioaccumulative potential :** No further relevant information available.

**· 12.4 Mobility in soil :** No further relevant information available.

**· Additional ecological information:**

**· General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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

**· PBT:** Not applicable.

**· vPvB:** Not applicable.

**· 12.6 Other adverse effects :** No further relevant information available.

**SECTION 13: Disposal considerations**

**· 13.1 Waste treatment methods**

**· Recommendation :**



Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

**· European waste catalogue**

HP 4 | Irritant - skin irritation and eye damage

**· Uncleaned packaging:**

**· Recommendation:** Disposal must be made according to official regulations.

**SECTION 14: Transport information**

**· 14.1 UN-Number**

**· ADR, ADN, IMDG, IATA**

Not classified as hazardous for transport

**· 14.2 UN proper shipping name**

**· ADR, ADN, IMDG, IATA**

Not classified as hazardous for transport

**· 14.3 Transport hazard class(es)**

**· ADR, ADN, IMDG, IATA**

**· Class**

Not classified as hazardous for transport

**· 14.4 Packing group**

**· ADR, IMDG, IATA**

Not classified as hazardous for transport

(Contd. on page 7)

**Safety data sheet**  
According to 1907/2006/EC, Article 31

Printing date 02.12.2017

Version number 3

Revision: 02.12.2017

**Trade name: Racegel**

(Contd. of page 6)

- |                                                                                  |                                           |
|----------------------------------------------------------------------------------|-------------------------------------------|
| · <b>14.5 Environmental hazards:</b>                                             |                                           |
| · <b>Marine pollutant:</b>                                                       | No                                        |
| · <b>14.6 Special precautions for user</b>                                       | Not applicable.                           |
| · <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b> | Not applicable.                           |
| · <b>UN "Model Regulation":</b>                                                  | Not classified as hazardous for transport |

**SECTION 15: Regulatory information**

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**SECTION 16: Other information**

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

- **Relevant phrases**
- H225 Highly flammable liquid and vapour.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.

· **Classification according to Regulation (EC) No 1272/2008**

Skin corrosion/irritation Serious eye damage/eye irritation	<i>The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.</i>
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· **Abbreviations and acronyms:**

- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- VOC: Volatile Organic Compounds (USA, EU)
- DNEL: Derived No-Effect Level (REACH)
- PNEC: Predicted No-Effect Concentration (REACH)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- SVHC: Substances of Very High Concern
- vPvB: very Persistent and very Bioaccumulative
- Flam. Liq. 2: Flammable liquids – Category 2
- Skin Irrit. 2: Skin corrosion/irritation – Category 2
- Eye Irrit. 2: Serious eye damage/eye irritation – Category 2