

## PremFire FR Acrylic

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product Name/Identifier

PremFire FR Acrylic

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

Sealant.

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

Premier Sealant Systems Ltd.  
Mercia Way,  
Foxhills Industrial Park,  
Scunthorpe,  
North Lincolnshire,  
DN15 8RE  
Tel. 01724 864 100

#### 1.4. Emergency telephone number

NPIS (National Poisons Information Service): 0344 892 0111 (for medical professionals only). For medical advice, members of the public should contact NHS 111 in England: 111; NHS 24 in Scotland: 111; NHS Direct in Wales: 111 or 0845 4647. In Northern Ireland: contact your local GP or pharmacist. In Europe call 112.

### 2. HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

##### Classification according to GB CLP Regulation

Classification of this product has been carried out in accordance with GB CLP Regulation (UK S.I. 2019/720 and UK S.I.2020/1567).

Aquatic Chronic 2: Hazardous to the aquatic environment, long-term hazard, Category 2, H411  
Lact.: Reproductive toxicity, effects on or via lactation, H362.

## 2.2. Label elements

### Hazard pictograms

GB CLP Regulation (UK S.I. 2019/720 and UK S.I. 2020/1567):



### Signal word

Not relevant.

### Hazard statements

H362 - May cause harm to breast-fed children.

H411 - Toxic to aquatic life with long lasting effects.

### Precautionary statements

P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

P201: Obtain special instructions before use.

P260: Do not breathe vapours

P263: Avoid contact during pregnancy/while nursing.

P264: Wash thoroughly after use.

P308+P313: IF exposed or concerned: Get medical advice/attention.

P501: Dispose of the contents and/or its container using the separate collection system in your municipality.

### Supplemental label information

EUH208: Contains Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction.

### Substances that contribute to the classification

Alkanes, C14-17, chloro.

## 2.3. Other hazards

Product contains PBT/vPvB substances: Alkanes, C14-17, chloro.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

Not applicable.

## 3.2. Mixtures

This product is a mixture of additives and acrylic polymers. In accordance with Annex II of The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020, the product contains:

Identification	Chemical name/Classification	Concentration
CAS: 85535-85-9	<b>Alkanes, C14-17, chloro</b> Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Lact.: H362; EUH066 - Warning	5 - <10 %
CAS: 107-21-1	<b>Ethanediol</b> Acute Tox. 4: H302; STOT RE 2: H373 - Warning	0,1 - <1 %
CAS: 55965-84-9	<b>Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)</b> Acute Tox. 2: H310+H330; Acute Tox. 3: H301; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Dam. 1: H318; Skin Corr. 1C: H314; Skin Sens. 1A: H317; EUH071 - Danger	<0,01 %

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

## Other information

Identification	M-factor	
	Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9	Acute
	Chronic	100

Identification	Specific concentration limit
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9	% (w/w) >=0,6: Skin Corr. 1C - H314 0,06<= % (w/w) <0,6: Skin Irrit. 2 - H315 % (w/w) >=0,6: Eye Dam. 1 - H318 0,06<= % (w/w) <0,6: Eye Irrit. 2 - H319 % (w/w) >=0,0015: Skin Sens. 1A - H317

Acute toxicity estimate for the substance in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or as determined in accordance with Annex I to that Regulation:

Identification	Acute toxicity		Genus
	Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9	LD50 oral	
	LD50 dermal	87.12 mg/kg	Rabbit
	LC50 inhalation	Not relevant	

## 4. FIRST AID MEASURES

### 4.1. Description of first aid measures

#### General information

In all cases of doubt, or if symptoms persist, seek medical attention and show this SDS. Never give anything by mouth to an unconscious person.

#### Inhalation:

This product does not contain substances classified as hazardous for inhalation, however, in case of symptoms of intoxication remove the person affected from the exposure area and provide with fresh air. Seek medical attention if the symptoms get worse or persist.

#### Ingestion:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion.

**Skin contact:**

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

**Eye contact:**

Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case removal could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS for the product.

**4.2. Most important symptoms and effects, both acute and delayed**

Acute and delayed effects are indicated in sections 2 and 11.

**Notes for the doctor**

Not applicable.

**Specific treatments**

Treat symptomatically.

## 5. FIREFIGHTING MEASURES

**5.1. Extinguishing media****Suitable extinguishing media**

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems.

**Unsuitable extinguishing media**

Non-applicable.

**5.2. Special hazards arising from the substance or mixture****Specific hazards**

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

**Hazardous combustion products**

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

## 5.3. Advice for firefighters

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit). Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

### Special protective equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and protective firefighting clothing (includes firefighting helmet, coat, trousers, boots, and gloves).

## 6. ACCIDENTAL RELEASE MEASURES

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

#### For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

#### For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

### 6.2. Environmental precautions

Avoid at all costs any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

### Methods and material for containment and cleaning up

It is recommended: Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

## 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

#### Usage precautions

A.- General precautions for safe use:

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions:

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations on general occupational hygiene:

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks:

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity).

### Advice on general occupational hygiene

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash their hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.

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

#### Storage precautions

Store in a cool, dry, well-ventilated location. Maximum storage temperature +30°C. Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5.

#### Storage class

Not classified.

### 7.3. Specific end use(s)

Field of application of the product is described in Technical data sheet (TDS).

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Substances whose occupational exposure limits have to be monitored in the workplace:  
EH40/2005 Workplace exposure limits, fourth edition, published 2020:

Identification	Occupational exposure limits		
	Ethanediol <sup>(4)</sup> CAS:107-21-1	WEL (8h)	20 ppm
	WEL (15 min)	40 ppm	104 mg/m <sup>3</sup>

## DNEL (Workers)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Alkanes, C14-17, chloro CAS: 85535-85-9 EC: 287-477-0	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	47.9 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	6.7 mg/m <sup>3</sup>	Not relevant
Ethanediol CAS: 107-21-1 EC: 203-473-3	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	106 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	Not relevant	35 mg/m <sup>3</sup>

## DNEL (General population)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Alkanes, C14-17, chloro CAS: 85535-85-9 EC: 287-477-0	Oral	Not relevant	Not relevant	0.58 mg/kg	Not relevant
	Dermal	Not relevant	Not relevant	28.75 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	2 mg/m <sup>3</sup>	Not relevant
Ethanediol CAS: 107-21-1 EC: 203-473-3	Oral	Not relevant	Not relevant	Not relevant	Not relevant
	Dermal	Not relevant	Not relevant	53 mg/kg	Not relevant
	Inhalation	Not relevant	Not relevant	Not relevant	7 mg/m <sup>3</sup>

## Predicted No Effect Concentration

Identification					
Alkanes, C14-17, chloro CAS: 85535-85-9 EC: 287-477-0	STP	80 mg/L	Fresh water	0.001 mg/L	
	Soil	11.9 mg/kg	Marine water	0.0002 mg/L	
	Intermittent	Not relevant	Sediment (Fresh water)	13 mg/kg	
	Oral	0.01 g/kg	Sediment (Marine water)	2.6 mg/kg	
Ethanediol CAS: 107-21-1 EC: 203-473-3	STP	199.5 mg/L	Fresh water	10 mg/L	
	Soil	1.53 mg/kg	Marine water	1 mg/L	
	Intermittent	10 mg/L	Sediment (Fresh water)	37 mg/kg	
	Oral	Not relevant	Sediment (Marine water)	3.7 mg/kg	

## 8.2. Exposure controls

### Appropriate engineering controls

Appropriate ventilation is recommended.

### Eye/face protection

Panoramic glasses against splash/projections.

### Hand protection

Protective gloves against minor risks. For prolonged periods of exposure to the product for professional users/industrials, we recommend using CE III gloves in line with standards EN ISO 21420:2020 and EN ISO 374-1:2016+A1:2018.

## Other skin and body protection

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994. Anti-slip work shoes we recommend in accordance with the regulations: EN ISO 20345:2012 y EN 13832-1:2007. Grossly contaminated clothing should be removed and the skin washed with soap and water or a recognised skin cleaner. ALWAYS WASH YOUR HANDS BEFORE EATING, SMOKING OR USING THE TOILET.

## Respiratory protection

Not necessary, however, please consider based on the task being performed.

## Hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

## Environmental exposure controls

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

The Volatile Organic Compounds in Paints, Varnishes and Vehicle Refinishing Products Regulations 2012:

V.O.C. (Supply):	0.79 % weight
V.O.C. density at 20 °C:	12.96 kg/m <sup>3</sup> (12.96 g/L).

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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

Appearance	Liquid
Colour	White
Odour	Not available
Odour threshold	Not available
pH	8-9.5
Melting point	Not applicable
Initial boiling point and range	136 °C
Flash point	Non Flammable (>60 °C)
Evaporation rate	No information available
Evaporation factor	No information available
Flammability (solid, gas)	No information available
Upper/lower flammability or explosive limits	No information available
Vapour pressure at 20 °C	1766 Pa
Vapour pressure at 50 °C	9312.08 (9.31 kPa)



Vapour density	No information available
Density at 20°C	1640 kg/m <sup>3</sup>
Relative density	1.696
Bulk density	No information available
Solubility(ies)	No information available
Partition coefficient	No information available
Auto-ignition temperature	400 °C
Decomposition Temperature	No information available
Viscosity	No information available
Explosive properties	Not applicable
Oxidising properties	Not applicable
VOC	Not applicable
LEED (2009) VOC	Not applicable

## 9.2. Other information

NOTE: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

### 10.2. Chemical stability

Chemically stable under the indicated conditions of storage, handling and use.

### 10.3. Possibility of hazardous reactions

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

### 10.4. Conditions to avoid

None known.

### 10.5. Incompatible materials

Avoid contact with strong acids, oxidising materials, alkalis and strong basis.

### 10.6. Hazardous decomposition products

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO), carbon monoxide and other organic compounds.

## 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

The experimental information related to the toxicological properties of the product itself is not available. In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

#### Acute toxicity (Acute oral toxicity)

Based on available data, the classification criteria are not met, however, it does contain substances classified as dangerous for consumption. For more information see section 3.

Corrosivity/Irritability: Based on available data, the classification criteria are not met, however, it does contain substances classified as hazardous for this effect. For more information see section 3.

#### Acute toxicity (Acute dermal toxicity)

Based on available data, the classification criteria are not met however, it does contain substances classified as hazardous for skin contact. For more information see section 3.

#### Acute toxicity (Acute inhalation toxicity)

Based on available data, the classification criteria are not met, however, it does contain substances classified as hazardous for inhalation. For more information see section 3.

#### Skin Corrosion/Irritation

Based on available data, the classification criteria are not met, however, it does contain substances classified as hazardous for this effect. For more information see section 3.

#### Serious Eye Damage/Irritation

Based on available data, the classification criteria are not met, however, it does contain substances classified as hazardous for this effect. For more information see section 3.

#### Respiratory or Skin Sensitisation

Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.

Skin: Based on available data, the classification criteria are not met, however it does contain substances classified as dangerous with sensitising effects. For more information see section 3.

#### Germ Cell Mutagenicity

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

#### Carcinogenicity

Based on available data, the classification criteria are not met as it does not contain substances classified as dangerous with carcinogenic effects. For more information see section 3.

#### Reproductive Toxicity

May cause harm to breast-fed children.

## Specific target organ toxicity (single exposure)

Based on available data, the classification criteria are not met, however, it does contain substances classified as hazardous for this effect. For more information see section 3.

## Specific target organ toxicity (repeated exposure)

Based on available data, the classification criteria are not met, however, it does contain substances which are classified as dangerous due to repetitive exposure. For more information see section 3.

## Aspiration Hazard

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

## 11.2. Components influencing toxicology

### Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
	Route	Toxicity	
Alkanes, C14-17, chloro CAS: 85535-85-9	LD50 oral	>5000 mg/kg	
	LD50 dermal	>5000 mg/kg	
	LC50 inhalation	>20 mg/L	
Ethenediol CAS: 107-21-1	LD50 oral	>5000 mg/kg	
	LD50 dermal	>3500 mg/kg	Rabbit
	LC50 inhalation	>20 mg/L	
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9	LD50 oral	64 mg/kg	Rat
	LD50 dermal	87.12 mg/kg	Rabbit
	LC50 inhalation	0.33 mg/L (4 h)	Rat

### Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	>5000 mg/kg (Calculation method)	Non-applicable
Dermal	>5000 mg/kg (Calculation method)	Non-applicable
Inhalation	>20 mg/L (4 h) (Calculation method)	Non-applicable

## 11.3. Information on other hazards

Not information available.

## 12. ECOLOGICAL INFORMATION

### 12.1. Toxicity

#### Acute toxicity:

Identification	Concentration	Species	Genus
Alkanes, C14-17, chloro CAS: 85535-85-9	LC50 >0.1 - 1 mg/L (96 h)		Fish
	EC50 >0.1 - 1 mg/L (48 h)		Crustacean
	EC50 >0.1 - 1 mg/L (72 h)		Algae
Ethanediol CAS: 107-21-1	LC50 53000 mg/L (96 h)	Pimephales promelas	Fish
	EC50 51000 mg/L (48 h)	Daphnia magna	Crustacean
	EC50 24000 mg/L (168 h)	Selenastrum capricornutum	Algae
Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) CAS: 55965-84-9	LC50 >0.1 - 1 mg/L (96 h)		Fish
	EC50 >0.1 - 1 mg/L (48 h)		Crustacean
	EC50 >0.1 - 1 mg/L (72 h)		Algae

### 12.2. Persistence and degradability

Identification	Degradability	Biodegradability	
Ethanediol CAS: 107-21-1	BOD5 0.47 g O2/g	Concentration	100 mg/L
	COD 1.29 g O2/g	Period	14 days
	BOD5/COD 0.36	% Biodegradable	90 %

### 12.3. Bioaccumulative potential

Identification	Bioaccumulation potential	
Ethanediol CAS: 107-21-1	BCF	10
	Pow Log	-1.36
	Potential	Low

### 12.4. Mobility in soil

Identification	Absorption/desorption		Volatility	
Ethanediol CAS: 107-21-1	Koc	0	Henry	1.327E-1 Pa·m <sup>3</sup> /mol
	Conclusion	Very High	Dry soil	No
	Surface tension	4.989E-2 N/m (25 °C)	Moist soil	No

### 12.1. Results of PBT and vPvB assessment

Product contains PBT/vPvB substances: Alkanes, C14-17, chloro.

### 12.2. Other adverse effects

Not described.

## 13. DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

Code	Description	Waste class
08 04 19*	waste adhesives and sealants containing organic solvents or other hazardous substances	Hazardous

Consult the authorized waste service manager on the assessment and disposal operations in accordance The Waste Regulations 2011, 2011 No. 988. As under 15 01 of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. Waste should not be disposed of to the drains. See paragraph 6.2.

In accordance with Annex II of UK REACH the provisions related to waste management are stated: UK legislation: The Waste Regulations 2011.

### Disposal methods

Dispose of in accordance with local regulations.

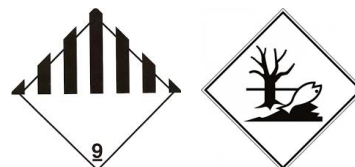
### 13.2. Waste class

HP14 Ecotoxic.

## 14. TRANSPORT INFORMATION

### 14.1. Classification for ROAD and Rail transport (ADR/RID)

UN number:	UN3082
UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Alkanes, C14-17, chloro)
Transport hazard class(es):	9
Labels:	9
Packing group:	III
Environmental hazards:	Yes
Special precautions for user:	
Tunnel restriction code:	-
Physico-Chemical properties:	see section 9
Limited quantities:	5 L
Transport in bulk according to Annex II of Marpol and the IBC Code:	Not relevant

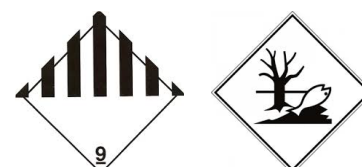


# Safety Data Sheet



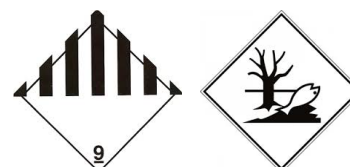
## 14.2. Transport by sea GGVSee/IMDG-Code

UN number: UN3082  
UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(Alkanes, C14-17, chloro)  
Transport hazard class(es): 9  
Labels: 9  
Packing group: III  
Marine pollutant: Yes  
Special precautions for user  
Special regulations: 335, 969, 274  
EmS Codes: F-A, S-F  
Physico-Chemical properties: see section 9  
Limited quantities: 5 L  
Segregation group: Not relevant  
Transport in bulk according to Annex II of Marpol and the IBC Code: Not relevant



## 14.3. Air Transport ICAO-TI/IATA-DGR

UN number: UN3082  
UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Alkanes, C14-17, chloro)  
Transport hazard class(es): 9  
Labels: 9  
Packing group: III  
Environmental hazards: Yes  
Special precautions for user  
Physico-Chemical properties: see section 9  
Transport in bulk according to Annex II of Marpol and the IBC Code: Not relevant



## 15. REGULATORY INFORMATION

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

- Substances listed in UK candidate list of substances of very high concern (SVHCs): Not relevant
- Substances listed in UK REACH Authorisation List (Annex 14): Not relevant.

### The Control of Major Accident Hazards Regulations 2015:

Section	Description	Lower-tier requirements	Upper-tier requirements
E2	ENVIRONMENTAL HAZARDS	200	500

## **Restrictions to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII UK REACH, etc.):**

Shall not be used in:

- ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays,
- tricks and jokes,
- games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

## **Specific provisions in terms of protecting people or the environment:**

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

## **Other legislation**

The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020.

Control of Substances Hazardous to Health Regulations 2002 (as amended)

EH40/2005 Workplace exposure limits.

## **15.2. Chemical safety assessment**

No Chemical Safety Assessment has been carried out for this substance/mixture.

## **16. OTHER INFORMATION**

### **Legislation related to safety data sheets:**

This safety data sheet has been designed in accordance with ANNEX II-The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020.

### **Texts of the legislative phrases mentioned in section 2:**

H362: May cause harm to breast-fed children.

H411: Toxic to aquatic life with long lasting effects.

### **Texts of the legislative phrases mentioned in section 3:**

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3.

### **GB CLP Regulation:**

Acute Tox. 2: H310+H330 - Fatal in contact with skin or if inhaled.

Acute Tox. 3: H301 - Toxic if swallowed.

Acute Tox. 4: H302 - Harmful if swallowed.

Aquatic Acute 1: H400 - Very toxic to aquatic life.

Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects.

Eye Dam. 1: H318 - Causes serious eye damage.

Lact.: H362 - May cause harm to breast-fed children.

Skin Corr. 1C: H314 - Causes severe skin burns and eye damage.

Skin Sens. 1A: H317 - May cause an allergic skin reaction.

STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

**Classification procedure:**

Lact.: Calculation method  
Aquatic Chronic 2: Calculation method.

**Advice related to training:**

Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

**Abbreviations and acronyms used in the safety data sheet**

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.  
ATE: Acute Toxicity Estimate.  
BCF: Bioconcentration Factor.  
CAS: Chemical Abstracts Service.  
cATpE: Converted acute toxicity point estimate.  
DNEL: Derived No Effect Level.  
EC<sub>50</sub>: 50% of maximal Effective Concentration.  
GHS: Globally Harmonized System.  
IATA: International Air Transport Association.  
IBC: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk (International Bulk Chemical Code).  
ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.  
IMDG: International Maritime Dangerous Goods.  
LC50: Lethal Concentration to 50 % of a test population.  
LD50: Lethal Dose to 50% of a test population (Median Lethal Dose).  
LOAEC: Lowest Observed Adverse Effect Concentration.  
LOAEL: Lowest Observed Adverse Effect Level.  
LOEC: Lowest Observed Effect Concentration.  
MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.  
NOAEC: No Observed Adverse Effect Concentration.  
NOAEL: No Observed Adverse Effect Level.  
NOEC: No Observed Effect Concentration.  
PBT: Persistent, Bioaccumulative and Toxic substance.  
PNEC: Predicted No Effect Concentration.  
REACH: The REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577.  
RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.  
SVHC: Substances of Very High Concern.  
vPvB: Very Persistent and Very Bioaccumulative.



# Safety Data Sheet



## Classification abbreviations and acronyms

Acute Tox. = Acute toxicity

Aquatic Chronic = Hazardous to the aquatic environment (chronic)

Asp. Tox. = Aspiration hazard

Eye Dam. = Serious eye damage

Flam. Liq. = Flammable liquid

Repr. = Reproductive toxicity

Skin Irrit. = Skin irritation

Skin Sens. = Skin sensitisation

STOT RE = Specific target organ toxicity-repeated exposure

STOT SE = Specific target organ toxicity-single exposure

## Key literature references and sources for data

Source: European Chemicals Agency, <http://echa.europa.eu/> SDS from supplier.

## Revision comments

Revision date

25/03/2024

Revision

1

Supersedes date

Not applicable

SDS status

Approved.

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