SealPrem Window & Door Silicone White

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

1.1. Product Name/Identifier

SealPrem Window & Door Silicone White.

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.
Aquatic Chronic 3: Hazardous to the aquatic environment, long-term hazard, Category 3, H412
Skin Sens. 1A: Sensitisation, skin, Category 1A, H317.

2.2. Label elements

Hazard pictograms

Signal word
Warning

Hazard statements
H317 - May cause an allergic skin reaction.
H412 - Harmful 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.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/respiratory protection/eye protection/protective footwear.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P501: Dispose of the contents and/or its container using the separate collection system in your municipality.

Supplemental label information
Contains Butan-2-one O,O′,O′′-(methylsilylidyne)trioxime, Butan-2-one O,O′,O′′-(vinylsilylidyne)trioxime, N-(3-(trimethoxysilyl) propyl)ethylenediamine.

Substances that contribute to the classification
Octhilinone (ISO).

2.3. Other hazards

Product fails to meet PBT/vPvB criteria.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable.

3.2. Mixtures

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

Identification	Chemical name/Classification	Concentration
CAS: 22984-54-9	**Butan-2-one O,O´,O´´-(methylsilylidyne)trioxime** Eye Irrit. 2: H319; Skin Sens. 1B: H317; STOT RE 2: H373 - Warning	**1 - <2,5 %**
CAS: Non-applicable	**O,O´,O´´-(methylsilylidyne)trioxime 2-pentanone** Acute Tox. 4: H302; Eye Irrit. 2: H319 - Warning	**1 - <2,5 %**
CAS: 1760-24-3	**N-(3-(trimethoxysilyl)propyl)ethylenediamine** Eye Dam. 1: H318; Skin Sens. 1: H317 - Danger	**0,1 - <1 %**
CAS: 2224-33-1	**Butan-2-one O,O´,O´´-(vinylsilylidyne)trioxime** Eye Dam. 1: H318; Skin Sens. 1B: H317; STOT RE 2: H373 - Danger	**0,1 - <1 %**
CAS: 26530-20-1	**octhilinone (ISO)** Acute Tox. 2: H330; Acute Tox. 3: H301+H311; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Dam. 1: H318; Skin Corr. 1: H314; Skin Sens. 1A: H317; EUH071 - Danger	**0,01 - <0,1 %**

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

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: May cause an allergic skin reaction. In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap. In case of changes on the skin (stinging, redness, rashes, blisters), seek medical advice with this Safety Data Sheet.

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, manipulation and use, but the product contains flammable substances. In the case of inflammation as a result of improper manipulation, 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
During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include and are not limited to: Carbon monoxide. Carbon dioxide. Hydrogen halides.

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). Avoid contact with this material during firefighting operations. If contact is likely, change to full chemical resistant firefighting clothing with self-contained breathing apparatus. If this is not available, wear full chemical resistant clothing with self-contained breathing apparatus and fight fire from a remote location. For protective equipment in post-fire or non-fire clean-up situations, refer to the relevant sections.

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 cost 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. 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: There are no applicable occupational exposure limits for the substances contained in the product.

DNEL (Workers)

		Short exposure		Long exposure	
Identification		Systemic	Local	Systemic	Local
Butan-2-one O,O′,O′′ (methylsilylidyne)trioxime CAS: 22984-54-9 EC: 245-366-4	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	0.145 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	1.02 mg/m³	Non-applicable
O,O′,O′′-(methylsilylidyne)trioxime 2-pentanone CAS: Non-applicable EC: 484-460-1	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	0.065 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	0.229 mg/m³	Non-applicable
Butan-2-one O,O′,O′′-(vinylsilylidyne)trioxime CAS: 2224-33-1 EC: 218-747-8	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	0.15 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	1.06 mg/m³	Non-applicable

DNEL (General population)

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Butan-2-one O,O′,O′′-(methylsilylidyne)trioxime CAS: 22984-54-9 EC: 245-366-4	Oral	Non-applicable	Non-applicable	0.072 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	0.072 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	0.25 mg/m³	Non-applicable
O,O′,O′′-(methylsilylidyne)trioxime 2-pentanone CAS: Non-applicable EC: 484-460-1	Oral	Non-applicable	Non-applicable	0.033 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	0.033 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	0.057 mg/m³	Non-applicable
Butan-2-one O,O′,O′′-(vinylsilylidyne)trioxime CAS: 2224-33-1 EC: 218-747-8	Oral	Non-applicable	Non-applicable	0.075 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	0.075 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	0.26 mg/m³	Non-applicable

Predicted No Effect Concentration

Identification				
Butan-2-one O,O′,O′′-(methylsilylidyne)trioxime CAS: 22984-54-9 EC: 245-366-4	STP	3.9 mg/L	Fresh water	0.018 mg/L
	Soil	65.63 mg/kg	Marine water	0.002 mg/L
	Intermittent	Non-applicable	Sediment (Fresh water)	557.543 mg/kg
	Oral	0.00322 g/kg	Sediment (Marine water)	55.754 mg/kg
O,O′,O′′-(methylsilylidyne)trioxime 2 pentanone CAS: Non-applicable EC: 484-460-1	STP	2.15 mg/L	Fresh water	0.1 mg/L
	Soil	0.044 mg/kg	Marine water	0.01 mg/L
	Intermittent	Non-applicable	Sediment (Fresh water)	0.569 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0.057 mg/kg
N-(3-(trimethoxysilyl)propyl)ethylenediamine CAS: 1760-24-3 EC: 217-164-6	STP	25 mg/L	Fresh water	0.062 mg/L
	Soil	0.009 mg/kg	Marine water	0.006 mg/L
	Intermittent	0.62 mg/L	Sediment (Fresh water)	0.22 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0.022 mg/kg
Butan-2-one O,O′,O′′-(vinylsilylidyne)trioxime CAS: 2224-33-1 EC: 218-747-8	STP	4.06 mg/L	Fresh water	0.019 mg/L
	Soil	133.8 mg/kg	Marine water	0.002 mg/L
	Intermittent	Non-applicable	Sediment (Fresh water)	1136.562 mg/kg
	Oral	0.003333 g/kg	Sediment (Marine water)	113.656 mg/kg
octhilinone (ISO) CAS: 26530-20-1 EC: 247-761-7	STP	Non-applicable	Fresh water	0.0022 mg/L
	Soil	0.0082 mg/kg	Marine water	0.00022 mg/L
	Intermittent	0.00122 mg/L	Sediment (Fresh water)	0.0475 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0.00475 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 420:2004+A1:2010 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. 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
Filter mask for gases and vapours.

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):	0.11 % weight
V.O.C. density at 20 ºC:	1.12 kg/m^3 (1.12 g/L).

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Paste
Colour	White
Odour	Not available
Odour threshold	Not available
pH	Not applicable
Melting point	Not applicable
Initial boiling point and range	190 ºC
Flash point	Non flammable (>60 ºC)

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	55 Pa
Vapour pressure at 50 °C	246.34 Pa (0.25 kPa)
Vapour density	No information available
Density at 20°C	1000kg/m^3
Relative density	1.163
Bulk density	No information available
Solubility(ies)	No information available
Partition coefficient	No information available
Auto-ignition temperature	235 °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

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 contains 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 contains 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 contains 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: Prolonged contact with the skin can result in episodes of allergic contact dermatitis.

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
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 (single exposure)
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.

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
Butan-2-one O,O′,O′′-(methylsilylidyne)trioxime CAS: 22984-54-9	LD50 oral	2247 mg/kg	Rat
	LD50 dermal	>5000 mg/kg	
	LC50 inhalation	>20 mg/L	
O,O′,O′′-(methylsilylidyne)trioxime 2-pentanone CAS: Non-applicable	LD50 oral	1234 mg/kg	Rat
	LD50 dermal	>5000 mg/kg	
	LC50 inhalation	>20 mg/L	
N-(3-(trimethoxysilyl)propyl)ethylenediamine CAS: 1760-24-3	LD50 oral	>5000 mg/kg	Rat
	LD50 dermal	>5000 mg/kg	
	LC50 inhalation	>20 mg/L	
Butan-2-one O,O′,O′′-(vinylsilylidyne)trioxime CAS: 2224-33-1	LD50 oral	3519 mg/kg	Rat
	LD50 dermal	>5000 mg/kg	
	LC50 inhalation	>20 mg/L	
octhilinone (ISO) CAS: 26530-20-1	LD50 oral	125 mg/kg	
	LD50 dermal	311 mg/kg	
	LC50 inhalation	>20 mg/L	

Acute Toxicity Estimate (ATE mix):

ATE mix		Ingredient(s) of unknown toxicity
Oral	66818.28 mg/kg (Calculation method)	0 %
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
N-(3-(trimethoxysilyl)propyl)ethylenediamine CAS: 1760-24-3	LC50	597 mg/L (96 h)	Brachydanio rerio	Fish
	EC50	81 mg/L (48 h)	Daphnia magna	Crustacean
	EC50	8.8 mg/L (72 h)	Selenastrum capricornutum	Algae
Butan-2-one O,O′,O′′-(vinylsilylidyne)trioxime CAS: 2224-33-1	LC50	55000 mg/L (96 h)	QSAR	Fish
	EC50	17168 mg/L (48 h)	QSAR	Fish
	EC50	1429 mg/L (96 h)	QSAR	Fish
octhilinone (ISO) CAS: 26530-20-1	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

Chronic toxicity:

Identification	Concentration		Species	Genus
Butan-2-one O,O′,O′′-(vinylsilylidyne)trioxime CAS: 2224-33-1	NOEC	50 mg/L	Oryzias latipes	Fish
	NOEC	100 mg/L	Daphnia magna	Crustacean

12.2. Persistence and degradability

Identification	Degradability		Biodegradability	
N-(3-(trimethoxysilyl)propyl)ethylenediamine CAS: 1760-24-3	BOD5	Non-applicable	Concentration	Non-applicable
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	39 %
Butan-2-one O,O′,O′′-(vinylsilylidyne)trioxime CAS: 2224-33-1	BOD5	Non-applicable	Concentration	20 mg/L
	COD	Non-applicable	Period	28 days
	BOD5/COD	Non-applicable	% Biodegradable	0 %

13.1. Bioaccumulative potential

Identification	Bioaccumulation potential	
Butan-2-one O,O′,O′′-(vinylsilylidyne)trioxime CAS: 2224-33-1	BCF	1
	Pow Log	0.6
	Potential	Low

13.2. Mobility in soil

Not available.

13.3. Results of PBT and vPvB assessment

This product fails to meet criteria.

13.4. Other adverse effects

Not described.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Code	Description	Waste class
08 04 09*	waste adhesives and sealants containing organic solvents or other hazardous substances	Dangerous

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 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. Clasification for ROAD and Rail transport (ADR/RID)

Not regulated.

14.2. Transport by sea GGVSee/IMDG-Code

Not regulated.

14.3. Air Transport ICAO-TI/IATA-DGR

Not regulated.

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): Non-applicable.
- Substances listed in UK REACH Authorisation List (Annex 14): Non-applicable.

The Control of Major Accident Hazards Regulations 2015:
Not applicable.

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:
H317: May cause an allergic skin reaction.
H412: Harmful 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. 3: H301+H311 - Toxic if swallowed or in contact with skin.
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.
Eye Irrit. 2: H319 - Causes serious eye irritation.
Skin Corr. 1: H314 - Causes severe skin burns and eye damage.
Skin Sens. 1: H317 - May cause an allergic skin reaction.
Skin Sens. 1A: H317 - May cause an allergic skin reaction.
Skin Sens. 1B: H317 - May cause an allergic skin reaction.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure (Oral).

Classification procedure:

Skin Sens. 1A: Calculation method.
Aquatic Chronic 3: 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_{50}: 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.

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.

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