

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 26.07.2023

Version number 2

Revision: 19.01.2022

1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name:** **Stormproof**
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Hydrophobing agent/ water repellent
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Stormsure Ltd.
Haynes' Yard
Swaffham Road
Cambridge
CB25 9EZ
e-mail: info@stormsure.com
- **Further information obtainable from:** Product safety department
- **Emergency telephone number:** +44 33 33 44 1500

2 Hazards identification

- **Classification of the substance or mixture**
The product is not classified, according to the Globally Harmonised System (GHS).
- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Information concerning particular hazards for human and environment:**
When sprayed the respiratory tracts may be irritated by aerosol drops.
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

*** 3 Composition/information on ingredients**

- **Chemical characterisation:** Mixtures
- **Description:**
Preparation of:
Fluorocarbon resin
- **Dangerous components:** Void
- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

4 First aid measures

- **Description of first aid measures**
- **General information:**
Immediately remove any clothing soiled by the product.
By continuous complaints consult a doctor.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.

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- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:**
Seek medical treatment.
Do not induce vomiting.
Never give anything by mouth to an unconscious person.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture**
In case of fire, the following can be released:
Carbon monoxide (CO)+ Carbon dioxide (CO₂)
Hydrogen fluoride (HF)
Under certain fire conditions, traces of other toxic gases cannot be excluded.
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Keep people at a distance and stay on the windward side.
Keep away from ignition sources.
Refer to protective measures listed in sections 7 and 8.
- **Environmental precautions:**
Do not allow to enter sewers/ surface or ground water.
Inform respective authorities in case of seepage into water course or sewage system.
- **Methods and material for containment and cleaning up:**
Eliminate possible leaks and avoid further spillage if safely possible.
Prevent area expansion (e.B. by containment or oil barriers).
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Cover sewerage.
Dilute with water and wipe up.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Keep receptacles tightly sealed.

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- Ensure good ventilation/exhaustion at the workplace.
- Prevent formation of aerosols.
- **Information about fire - and explosion protection:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Use polyolefine receptacles.
- **Information about storage in one common storage facility:** Store away from oxidising agents.
- **Further information about storage conditions:**
- Protect from frost.
- Store in cool, dry conditions in well sealed receptacles.
- **Recommended storage temperature:** 5-30 °C
- **Specific end use(s)** No further relevant information available.

* 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see section 7.
- **Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **DNELs** DNEL/DMEL-values are not available.
- **PNECs** PNEC-values are not available.
- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Wash hands before breaks and at the end of work.
Do not eat, drink, smoke or sniff while working.
Keep away from tobacco products.
Avoid contact with the eyes and skin.
Do not inhale gases / fumes / aerosols.
- **Respiratory protection:**
The irritation of the respiratory tracts by sprays can be never excluded and, therefore, suitable precautions have to be taken, such as effective exhaustion and/or suitable respiratory masks, which are adapted to the particle size.
Filter P2
Use suitable respiratory protective device only when aerosol or mist is formed.
- **Recommended filter device for short term use:** P2
- **Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.



Protective gloves

- **Material of gloves**
Nitrile rubber, NBR
Butyl rubber, BR
Recommended thickness of the material: ≥ 0.4 mm
- **Penetration time of glove material** Value for the permeation: Level ≤ 6 (480 min)
- **As protection from splashes gloves made of the following materials are suitable:**
Butyl rubber, BR

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Nitrile rubber, NBR

· **Eye protection:**

Safety glasses

Not required.

· **Body protection:** Acid resistant protective clothing

9 Physical and chemical properties

· **Information on basic physical and chemical properties**· **General Information**· **Appearance:**

· Form:	Fluid
· Colour:	Opaque Yellowish
· Odour:	Weak, characteristic

· **pH-value at 20 °C:** ca. 2.5· **Change in condition**

· Melting point/freezing point:	< 0 °C
· Initial boiling point and boiling range:	> 100 °C

· **Flash point:** > 96 °C· **Ignition temperature:** Product is not selfigniting· **Explosive properties:** Product does not present an explosion hazard· **Vapour pressure at 20 °C:** ca. 23 hPa· **Density at 20 °C:** ca. 1.1 g/cm³· **Solubility in / Miscibility with water:** Fully miscible· **Viscosity:**· **Kinematic at 20 °C:** ca. 39 s (3 mm)· **Other information** No further relevant information available.

10 Stability and reactivity

· **Reactivity** See chapter 10.3 "possibility of hazardous reactions"· **Chemical stability** The product is stable under normal conditions.· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.· **Possibility of hazardous reactions**

No hazardous reactions when stored and handled according to prescribed instructions.

· **Conditions to avoid** No further relevant information available.· **Incompatible materials:** Reactions with strong oxidising agents.· **Hazardous decomposition products:** None, if handled according to order.EO
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11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity**

· LD/LC50 values relevant for classification:	
Oral	LD-50 > 5000 mg/kg (Rat)

- **Primary irritant effect:**

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** No sensitising effects known.

- **Additional toxicological information:**

Apart from its chemical properties, the toxicity of sprays is influenced by many other factors. The particles' size is decisive, which has an influence on how respirable the sprayed particles are. Avoid the inhalation by all means!

The (co-)solvents used, the application temperature and other factors can have different effects. Since these factors are beyond our control, no statements can be made.

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

The product has not been tested. The information is derived from the properties of the individual components.

When sprayed in inadequately ventilated places, the aerosol drops may seriously irritate the respiratory tract! Therefore it is absolutely necessary to strictly observe the instructions of chapter (para) 8.

12 Ecological information

- **Toxicity**

· Aquatic toxicity:	
LC-50	> 100 mg/l (Vertebrata)

- **Persistence and degradability** No further relevant information available.

- **Method** OECD 302 B

- **Analysing method** DOC decrease

- **Degree of elimination:** > 80 %

- **Classification:** Readily eliminable from water

- **Behaviour in environmental systems:**

- **Bioaccumulative potential** No further relevant information available.

- **Mobility in soil** No further relevant information available.

- **Ecotoxicological effects:**

· Behaviour in sewage processing plants:	
EC-50	> 100 mg/l (activated sludge)
Elimination	> 80 % (OECD 302 B)

- **Additional ecological information:**

- **COD-value:** 810 mg/g

- **BOD5-value:** 250 mg/g

- **AOX-indication:**

Product contains small amounts organic bound halogenes, that may slightly affect the AOX-value of the waste water.

- **According to the formulation contains the following heavy metals and compounds from the EU guideline NO. 2006/11/EC:**

The product does not contain heavy metals in waste water relevant concentrations.

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· **General notes:**

The ecotoxic effect of the product has not been tested. The information on this was derived from products of similar structure or composition.

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

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

13 Disposal considerations

· **Waste treatment methods**

· **Recommendation**

Smaller quantities can be disposed of with household waste.

After prior treatment product has to be disposed of in an incinerator for hazardous waste adhering to the regulations pertaining to the disposal of particularly hazardous waste.

Disposal must be made according to official regulations.

· **Uncleaned packaging:**

· **Recommendation:**

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

If recycling is not possible, dispose of in compliance with local regulations.

· **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

14 Transport information

· **UN-Number**

· **ADR, ADN, IMDG, IATA** Void

· **UN proper shipping name**

· **ADR, ADN, IMDG, IATA** Void

· **Transport hazard class(es)**

· **ADR, ADN, IMDG, IATA**

· **Class** Void

· **Packing group**

· **ADR, IMDG, IATA** Void

· **Environmental hazards:**

Not applicable.

· **Special precautions for user**

Not applicable.

· **Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable.

· **UN "Model Regulation":**

Void

15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**

No further relevant information available.

· **GHS label elements** Void

· **Hazard pictograms** Void

· **Signal word** Void

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- **Hazard statements** Void
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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.

- **Department issuing SDS:** Product safety department
- **Contact:** Product safety
- **Abbreviations and acronyms:**

ADR: Accord relatif au transport international 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

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)

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

vPvB: very Persistent and very Bioaccumulative

- *** Data compared to the previous version altered.**

EO