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

· 1.1 Product identifier

· Trade name: STORMPROOF

· 1.2 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

· 1.3 Details of the supplier of the safety data sheet

· Manufacturer/Supplier:

Stormsure Ltd

Hall Farm, Lode Road

Bottisham Cambridge CB25 9DN. UK

Tel.: +44 (0)33 33 44 15 00

e-mail: info@stormsure.com

· Further information obtainable from: Product safety department

· 1.4 Emergency telephone number: +44 3333441500

SECTION 2: Hazards identification

· 2.1 Classification of the substance or mixture

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

GHS07

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

H319 Causes serious eye irritation.

· Precautionary statements

P280

Wear protective gloves/protective clothing/eye protection/face protection.

P264

Wash thoroughly after handling.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

P337+P313

If eye irritation persists: Get medical advice/attention.

· Information concerning particular hazards for human and environment:

When sprayed the respiratory tracts may be irritated by aerosol drops.

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

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

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· vPvB: Not applicable.

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SECTION 3: Composition/information on ingredients

· 3.2 Chemical characterisation: Mixtures

· Description:

Preparation of: Fluorocarbon resin

· Additional information: For the wording of the listed risk phrases refer to section 16.

1-5% nonionic surfactants Eye Dam. 1, (polymers) H318; Acute Tox. 4, H302

SECTION 4: First aid measures

- · 4.1 Description of first aid measures
- General information:

remove any clothing soiled by the product.

By continuous complaints consult a doctor.

- · After inhalation: Supply fresh air; consult doctor in case of complaints.

Treat affected skin with cotton wool or cellulose. Then wash and rinse thoroughly with water and a mild cleaning agent.

- · 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.

- 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 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
- · 5.2 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.

- 5.3 Advice for firefighters
- **Protective equipment:** Wear self-contained respiratory protective device.
- · Additional information

Cool endangered receptacles with water spray.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.



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SECTION 6: Accidental release measures

· 6.1 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.

6.2 Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/surface 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 protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Keep receptacles tightly sealed.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

- 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: Use polyolefine receptacles.
- · Information about storage in one common storage facility: Store away from oxidising agents.
- · Further information about storage conditions: Protect from frost.
- · Recommended storage temperature: 5-30 °C
- · Storage class:
- · VCI storage category 12
- · Storage stability Storage period up to 6 months
- 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 item 7.
- · 8.1 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.

- · Additional information: The lists valid during the making were used as basis.
- · 8.2 Exposure controls
- · Personal protective equipment:
- · General protective and hygienic measures: Wash hands before breaks and at the end of work.
- · 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 A/P



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In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:

Protective gloves

· Material of gloves

Nitrile rubber, NBR

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 Nitrile rubber, NBR · Eve protection:

· Body protection: Acid resistant protective clothing

Safety glasses

SECTION 9: Physical and chemical properties

- · 9.1 Information on basic physical and chemical properties
- · General Information
- · Appearance:

Form:

Fluid

Colour:

Yellowish

· Odour:

Weak, characteristic

· pH-value at 20 °C:

· Change in condition

Melting point/Melting range: 0 °C **Boiling point/Boiling range:** > 100 °C

· Flash point:

> 100 °C

Self-igniting:

Product is not selfigniting

· Danger of explosion:

Product does not present an explosion hazard

· Vapour pressure at 20 °C:

ca. 23 hPa

· Density at 20 °C:

ca. 1.086 g/cm3

· Solubility in / Miscibility with

Fully miscible

· Viscosity:

water:

Dynamic:

Not determined.

Kinematic at 20 °C:

25 s (ISO 3 mm)

· 9.2 Other information

No further relevant information available.



Trade name: STORMPROOF

SECTION 10: Stability and reactivity

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

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

- · 10.4 Conditions to avoid No further relevant information available.
- · 10.5 Incompatible materials: Reactions with strong oxidising agents.
- · 10.6 Hazardous decomposition products: None, if handled according to order.

SECTION 11: Toxicological information

- · 11.1 Information on toxicological effects
- · Acute toxicity

· LD/LC50		
Oral	LD-50	> 5000 mg/kg (Rat)

- Primary irritant effect:
- · Skin corrosion/irritation

Due to the product composition slight irritations of the skin cannot be excluded.

Serious eye damage/irritation

Causes serious eye irritation.

- · Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- 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.

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.

- CMR effects (carcinogenity, 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.

SECTION 12: Ecological information

- · 12.1 Toxicity
- · Aquatic toxicity:

LC50 > 100 mg/l (Vertebrate)

- · 12.2 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.
- 12.3 Bioaccumulative potential No further relevant information available.
- · 12.4 Mobility in soil No further relevant information available.





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- · Ecotoxical effects:
- · Behaviour in sewage processing plants: EC-50 > 700 mg/l (activated sludge) Elimination > 80 % (OECD 302 B)
- · Additional ecological information:
- · COD-value: not available
- · **BOD5-value:** not available
- · AOX-indication:

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

· 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.

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.

- · 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 together with household garbage. Do not allow product to reach sewage system. 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.

- · Uncleaned packaging:
- **Recommendation:** Disposal must be made according to official regulations.
- · Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport information

· 14.1 UN-Number · ADR, ADN, IMDG, IATA	Void
· 14.2 UN proper shipping name · ADR, ADN, IMDG, IATA	Void
· 14.3 Transport hazard class(es)	
· ADR, ADN, IMDG, IATA · Class	Void
· 14.4 Packing group · ADR, IMDG, IATA	Void
· 14.5 Environmental hazards:	Not applicable.
· 14.6 Special precautions for user	Not applicable.



Trade name: STORMPROOF

· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable.

· Transport/Additional information: Not dangerous according to the above specifications.

· UN "Model Regulation":

SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture No further relevant information available.
- · 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

H302 Harmful if swallowed.

H318 Causes serious eye damage.

- · Department issuing MSDS: Product safety department
- · Contact: Product safety
- Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity, Hazard Category 4

Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2