

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

1.1 Product identifier

Trade name: Stormproof Concentrate

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

No further relevant information available.

Applications of the substance/the mixture

Hydrophobic 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
+44 (0) 3333 4415 00 / info@stormsure.com

Further information obtainable from

Product safety department.

1.4 Emergency telephone number

+44 3333 4415 00

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Labelling according to Regulation (EC) No. 1272/2008

This product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS07



H319

Signal word

Warning

Hazard statements

H319 Causes serious eye irritation

Precautionary statement

P208 Wear protective gloves/protective clothing/eye protection/face protection.

P264 Wash thoroughly after handling.

P305+P351+338 If in eyes, rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Get medical advice/attention.

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.

2.2 Label elements**Labelling according to Regulation (EC) No. 1272/2008**

This product is classified and labelled according to the CLP regulation.

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**

Preparation of fluorocarbon resin.

Additional information

For the wording of the list risk phrases refer to section 16.

Nonionic surfactants (polymers)	Eye Dam. 1, H218; Acute Tox. 4, H302	1-5%
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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.

After skin contact

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.

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 or surface/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

Requirements to be met by storerooms and receptacles: Use polyolefin 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 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**

This 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**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.

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 material: 0.4mm.

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.

Eye protection

Safety glasses.

Eye protection

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	ca. 2.3

Change in condition

Melting point/range	0°C
Boiling point/range	>100°C
Flash point	>100°C
Self-igniting	Product is not self-igniting
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/cm ³
Solubility/miscibility with water	Fully miscible

Viscosity

Dynamic	Not determined
Kinematic at 20°C	25 s (ISO 3 mm)

9.2 Other information

No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity

See chapter 10.3 "Possibility of hazardous reactions".

10.2 Chemical stability

This 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	>5000mg/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 (carcinogenicity, mutagenicity and toxicity for reproduction)

Germ cell mutagenicity, carcinogenicity, reproductive toxicity, STOT-single exposure, STOT-repeated exposure, aspiration hazard

Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1 Toxicity**Aquatic toxicity**

LC50>100mg/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.

Ecotoxicological effects**Behaviour in sewage processing plants**

EC-50 >700mg/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 of 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.

General notes

The eco toxic 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

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

Class: Void.

14.4 Packing group

ADR, IMDG, IATA

Void.

14.5 Environmental hazards

Not applicable.

14.6 Special precautions for user

Not applicable.

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"

Not applicable

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.