

# Safety Data Sheet

## STARCOAT HYBRID Liquid Waterproofing

### Section 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

**Trade name:** STARCOAT HYBRID

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

##### Sector of Use

SU19 Building and construction work

SU21 Consumer uses: Private households/ general public/ consumers

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

**Application of the substance / the mixture** Sealant

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

##### Manufacturer/Supplier:

Axter Ltd, Harbour Landing, Fox's Marina,  
The Strand, Wherstead, Ipswich IP2 8NJ  
Tel: +44 (0) 1473 724056  
Email: [info@axterltd.co.uk](mailto:info@axterltd.co.uk)  
Website: [www.axter.co.uk](http://www.axter.co.uk)

#### 1.4 Emergency telephone:

Axter Ltd - +44 (0) 1473 724056  
(this line is open from 8.00 am to 5.30 pm, Monday to Friday).  
In the event of a medical enquiry involving this product, members of  
the public should contact:  
NHS 111  
a doctor or  
a local hospital accident and emergency department.  
The NPIS (National Poisons Information Service) helpline is available  
for enquiries from medical professionals only.  
Tel: 0344 892 0111

## Section 2: Hazards identification

### 2.1 Classification of the substance or mixture

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

Skin Sens.1

H317 May cause an allergic skin reaction

Aquatic Chronic 3

H412 Harmful to aquatic life with long lasting effects

### 2.2 Label elements

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

The product is classified and labelled according to the GB CLP regulation.

#### Hazard pictograms



GHS07

**Signal word** Warning

#### Hazard determining components of labelling:

Trimethoxyvinylsilane

Benzotriazole derivative mixture

#### Hazard statements

H317

May cause an allergic reaction.

H412

Harmful to aquatic life with long lasting effects.

#### Precautionary statements

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 / eye protection / face protection.

P302+P352

IF ON SKIN: Wash with plenty of water.

P333+P313

If skin irritation or rash occurs: Get medical advice/ attention.

P501

Dispose of contents/container in accordance with local/regional/national/international regulations..

#### Additional information:

EUH208

Contains Benzotriazole derivatives. May produce an allergic reaction.

## Section 3: Composition/information on ingredients

### 3.2 Mixtures

**Description:** Mixture: Consisting of the following components.

Dangerous components:		
CAS: 2943-75-1 EINECS: 220-941-2 Reg.nr.: 01-2119972313-39	methyl methacrylate Aquatic Chronic 2, H411 Skin Irrit. 2, H315	≥2.5 - <10%
CAS: 2768-02-7 EINECS: 220-449-8 Reg.nr.: 01-2119513215-52	trimethoxyvinylsilane Flam. Liq. 3, H226 Acute Tox. 4, H332 Skin Sens, 1B, H317	≥2.5 - ≤10%

CAS: 104810-48-2	poly(oxy-1,2-ethanediyl), $\alpha$ -[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]- $\omega$ -hydroxy- Aquatic Chronic 2, H411 Skin Sens. 1, H317	0.4-0.5%
CAS: 104810-47-1	poly(oxy-1,2-ethanediyl), $\alpha$ -[3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropyl]- $\omega$ -[3-[3-(2H- benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropoxy]- Aquatic Chronic 2, H411 Skin Sens. 1, H317	0.3-0.4%

**Additional information:**

This mixture contains  $\geq 1\%$  titanium dioxide (CAS 13463-67-7). The Annex VI classification of Titanium dioxide does not apply to this mixture according to its Note 10.

For the wording of the listed hazard phrases refer to section 16.

## Section 4: First aid measures

### 4.1 Description of first aid measures

**General information:**

Immediately remove any clothing soiled by the product.

**After inhalation:**

Supply fresh air; consult doctor in case of complaints.

**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:**

Rinse mouth.

### 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:**

Alcohol resistant foam. Extinguishing powder. Carbon dioxide (CO<sub>2</sub>). Sand. Water mist.  
Use fire extinguishing methods suitable to surrounding conditions.

### 5.2 Special hazards arising from the substance or mixture

Under certain fire conditions, traces of other toxic gases cannot be excluded, e.g.:

Carbon dioxide (CO<sub>2</sub>)

Carbon monoxide (CO)

### 5.3 Advice for firefighters

**Protective equipment:**

Wear fully protective suit.

## Section 6: Accidental release measures

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

Wear protective equipment. Keep unprotected persons away.

### 6.2 Environmental precautions:

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

No special precautions are necessary if used correctly.

#### 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:

Store in a cool, dry place in tightly closed receptacles.

##### Information about storage in one common storage facility:

Not required.

##### Further information about storage conditions:

Protect from frost.

## Section 8: Exposure controls/personal protection

### 8.1 Control parameters

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 a basis.

### 8.2 Exposure controls

**Appropriate engineering controls** No further data; see section 7.

**Individual protection measures, such as personal protective equipment:**



#### General protective and hygienic measures

Wash hands before breaks and at the end of work.

#### Respiratory protection

Not required.

**Hand protection**

Protective gloves and protective skin cream.

**Material of gloves**

Rubber gloves.

Recommended thickness of the material:  $\geq 0.4\text{mm}$

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**Penetration time of glove material**

< 480min. The exact break through time has to be found out by the manufacturer of the protective gloves and must be observed.

**Eye/face protection**

Goggles recommended during refilling.

**Section 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties****Appearance**

Form	Fluid
Colour	Grey
Odour	Mild
Odour threshold	Not determined.
Melting point/freezing point	Undetermined.
Boiling point or initial boiling point and boiling range	Undetermined.
Flammability	Not applicable.
Lower and upper explosion limit	
Lower	Not determined.
Upper	Not determined.
Flash point	Not applicable.
Ignition temperature	Not determined.
Decomposition temperature	Not determined.
pH	Mixture is non-polar/aprotic.

**Viscosity**

Kinematic viscosity	Not determined.
Dynamic at 20°C	7,000mPas

**Solubility**

Water	Insoluble.
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure	Not determined.

**Density and/or relative density**Density at 20°C ≈ 1.34g/cm<sup>3</sup>

Relative density Not determined.

Vapour density Not determined.

**9.2 Other information**

No further information available.

**Appearance**

Form Viscous.

Auto-ignition temperature Product is not self-igniting.

Explosive properties Product does not present an explosion hazard.

**Solvent content**

Organic solvents ≤ 0.0%

VOC (EC) ≤ 0.1%

VOC

Solids content 0.0%

Change in condition

Softening point/ range

Oxidising properties Not determined.

Evaporation rate Not determined.

**Information with regard to physical hazard**

Explosives Void.

Flammable gases Void.

Aerosols Void.

Oxidising gases Void.

Gases under pressure Void.

Flammable liquids Void.

Flammable solids Void.

Self-reactive substances and mixtures Void.

Pyrophoric liquids Void.

Pyrophoric solids Void.

Self-heating substances and mixtures Void.

Substances and mixtures, which emit  
flammable gases in contact with water Void.

Oxidising liquids Void.

Oxidising solids Void.

Corrosive to metals Void.

Desensitised explosives Void.

## Section 10: Stability and reactivity

### 10.1 Reactivity

No further relevant information available.

### 10.2 Chemical stability

#### Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

### 10.3 Possibility of hazardous reactions

Reacts with peroxides.

### 10.4 Conditions to avoid:

Wet or damp areas.

Keep material well closed, material cures by exposure to air.

### 10.5 Incompatible materials:

No further relevant information available.

### 10.6 Hazardous decomposition products:

Hazardous decomposition products may be released during prolonged heating like smoke, carbon monoxide and dioxides.

## Section 11: Toxicological information

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

LD/LC50 values relevant for classification:		
ATE (Acute Toxicity Estimates)		
Inhalative	LC50/4 h	>335-461mg/l (rat)
CAS: 2943-75-1 triethoxyoctylsilane		
Oral	LD50	5,110 mg/kg (rat)
Dermal	LD50	6,730 mg/kg (rat)
CAS: 2768-02-7 trimethoxyvinylsilane		
Oral	LD50	7,120 mg/kg (rat)
Dermal	LD50	3,540 mg/kg (rabbit)
Inhalative	LC50/4 h	16.79 mg/l (rat)

#### Skin corrosion/irritation

May cause skin irritation.

#### Serious eye damage/irritation

Splashes in the eyes may cause irritation and reversible local damage.

#### Respiratory or skin sensitisation

May cause an allergic skin reaction.

### 11.2 Information on other hazards

#### Endocrine disrupting properties

None of the ingredients is listed.

## Section 12: Ecological information

### 12.1 Toxicity

Aquatic toxicity	
CAS: 2943-75-1 triethoxyoctylsilane	
EC50	> 0.13 mg/l (daphnia)
CAS: 2768-02-7 trimethoxyvinylsilane	
LC50	191 mg/l (fish)
EC50	168 mg/l (daphnia)

### 12.2 Persistence and degradability

No further relevant information available.

### 12.3 Bioaccumulative potential

No further relevant information available.

### 12.4 Mobility in soil

No further relevant information available.

### 12.5 Results of PBT and vPvB assessment

**PBT:** Not applicable.

**vPvB:** Not applicable.

### 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

### 12.7 Other adverse effects

#### Additional ecological information:

#### General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

## Section 13: Disposal considerations

### 13.1 Waste treatment methods

#### Recommendation

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

#### Uncleaned packaging:

#### Recommendation:

Disposal must be made according to official regulations.

## Section 14: Transport information

<b>14.1 UN number or ID number</b>	Not classified as hazardous for transportation regulations.
ADR, IMDG, IATA	Void.
<b>14.2 UN proper shipping name</b>	
ADR, IMDG, IATA	Void.
<b>14.3 Transport hazard class(es)</b>	
ADR, IMDG, IATA	
Class	Void.

<b>14.4</b>	<b>Packing group</b> ADR, IMDG, IATA	Void.
<b>14.5</b>	<b>Environmental hazards</b>	Not applicable.
<b>14.6</b>	<b>Special precautions for user</b>	Not applicable.
<b>14.7</b>	<b>Maritime transport in bulk according to IMO instruments</b>	Not applicable.
	<b>UN "Model Regulation"</b>	Void.

## Section 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Directive 2012/18/EU Named dangerous substances - ANNEX I**  
None of the ingredients is listed.
- National regulations:**  
**Other regulations, limitations and prohibitive regulations**  
**Substances of very high concern (SVHC) according to REACH, Article 57**  
This product does not contain any SVHC's.
- 15.2 Chemical safety assessment**  
A Chemical Safety Assessment has not been carried out.

## Section 16: Other information

The information given in this Safety Data Sheet is given in good faith and based on our current knowledge. We reserve the right to update and modify this document as necessary. The information in this sheet does not constitute a risk assessment for the workplace. While every effort is made to ensure that the information is accurate and up to date, it is not intended to form part of a contract or to imply any additional liability, which is expressly excluded.

### Relevant phrases

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H332	Harmful if inhaled.
H411	Toxic to aquatic life with long lasting effects

### Contact

[www.axter.co.uk](http://www.axter.co.uk)

**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

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)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

Skin Sens. 1B: Skin sensitisation – Category 1B

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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