

# SAFETY DATA SHEET



In accordance with 1907/2006 Annex II (2015/830) and 1272/2008  
(All references to EU regulations and directives are abbreviated into only the numeric term)  
Issued 2017-05-29  
Replaces issued: n/a  
Version number 1.0

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/ MIXTURE AND OF THE COMPANY UNDERTAKING

### 1.1. Product identifier

**Trade name** STS ST88

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

**Identified uses** Sealant used in passive fire protection

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

**Company** Sealed Tight Solutions Ltd  
Units 1b, 1c & 1d  
Princess Court  
NE42 6PL, UK  
+44(0)1661 830101  
[info@sealedtightsolutions.com](mailto:info@sealedtightsolutions.com)  
[www.sealedtightsolutions.co.uk](http://www.sealedtightsolutions.co.uk)

Telephone  
E-mail  
Website

### 1.4. Emergency telephone number

In case of emergency contact toxicological information, emergency tel 112 (within Europe) or 911 (for USA and Canada). For other countries, use the built-in emergency number in your cell phone  
For non-emergency poison information, see <http://www.who.int/ipcs/poisons/centre/directory/euro/en/>

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

#### Classification in accordance with 1272/2008

Upon assessment, this mixture is not classified as hazardous according to 1272/2008.

This product is assessed and not classified as hazardous.

### 2.2. Label elements

#### Label information in accordance with 1272/2008

Hazard pictograms Not applicable  
Signal words Not applicable  
Hazard statements Not applicable

### 2.3. Other hazards

Not relevant.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

This product is composed of a homogeneous mixture of liquids.

### 3.2. Mixtures

The product contains no substances, nor concentration levels thereof, that require marking or that need to be declared.

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

#### Upon breathing in

Let the injured person rest in a warm place with fresh air; If symptoms persist, call a doctor/physician.

#### Upon contact with the eyes

As a precaution, rinse the eye thoroughly with water; If symptoms occur, call a doctor/physician.

#### Upon skin contact

Normal washing of the skin is considered sufficient; If nevertheless symptoms do occur, contact a physician.

Remove contaminated clothes.

#### Upon ingestion

First rinse the mouth thoroughly with a lot of water and SPIT OUT the water. Then drink at least 1/2 liter of water. Call a doctor/physician if symptoms persists.

### 4.2. Most important symptoms and effects, both acute and delayed

Information on symptoms are ambiguous or missing for this product.

### 4.3. Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

## SECTION 5: FIRE-FIGHTING MEASURES

### 5.1. Extinguishing media

Extinguish with materials intended for the surrounding fire.

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

Produces fumes containing harmful gases (carbon monoxide and carbon dioxide) when burning, and, in case of incomplete combustion, aldehydes and other toxic, harmful, irritant or environmentally harmful substances.

The product is not hazardous in the flammable sense.

### 5.3. Advice for fire-fighters

In case of fire use a respirator mask.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Use suitable allergy-tested protective gloves when cleaning up.

Dust filter IIB (P2) may be required when cleaning up.

In case of spillage in protected water, call the emergency services immediately, tel. 112 (in Europe).

Do not inhale the product and avoid exposure to skin and eyes.

### 6.2. Environmental precautions

At amounts considered in this case, the product may be released into the natural environment without serious environmental consequences. Large emissions should however be reported to the emergency services and the Environment Agency.

### 6.3. Methods and material for containment and cleaning up

Carefully collect the material for combustion waste disposal, then wash the spillage area with water.

Avoid stirring the material up so that it aerates.

Contaminated products should be treated as chemical waste and declared as non-hazardous goods.

### 6.4. Reference to other sections

Not applicable

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Treat the substance as potentially harmful to health.

Do not eat, drink or smoke in premises where this product is stored.

### 7.2. Conditions for safe storage, including any incompatibilities

Store in a cool and dry place (above freezing temperature and not greater than 30°C).

Handle in premises which have modern ventilation standards.

Store in a well-ventilated area, not above eye-level.

Store only in the original package.

### 7.3. Specific end use(s)

Not relevant.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

#### 8.1.1. National limit values, United Kingdom

All ingredients (cf. Section 3) lack occupational exposure limit values.

### 8.2. Exposure controls

In terms of minimizing risks, no special attention is needed for this product besides the general obligations that follow EU directive 89/391 and national occupational legislation.

Eye protection should be worn if there is any danger of direct exposure or splashing.

Protective gloves are normally not needed due to the properties of this product, but may be necessary for other reasons, e.g.



mechanical risks, temperature conditions or microbiological risks. Very sensitive persons can use gloves labelled "Low Chemical resistant" or "Waterproof" or with the pictogram indicated here.

Protective breathing equipment should only be required in extreme work-situations. Consult the manufacturer if this is the case.

Dust filter IIb (P2) may be required.

For limitation of environmental exposure, see Section 12.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

a) Appearance	Form: Paste Colour: As supplied
b) Odour	Characteristic
c) Odour threshold	Not applicable
d) pH	8.5 to 9.5
e) Melting point/freezing point	Not applicable
f) Initial boiling point and boiling range	Not applicable
g) Flash point	Not applicable
h) Evaporation rate	Not applicable
i) Flammability (solid, gas)	Not applicable
j) Upper/lower flammability or explosive limits	Not applicable
k) Vapour pressure	Not applicable
l) Vapour density	Not applicable
m) Relative density	1.58 to 1.62
n) Solubility	Uncured sealant is soluble in water
o) Partition coefficient: n-octanol/water	Not applicable
p) Auto-ignition temperature	Not applicable
q) Decomposition temperature	Not applicable
r) Viscosity	Not applicable
s) Explosive properties	Not applicable
t) Oxidising properties	Not applicable

### 9.2. Other information

No data available

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

The product contains no substances which can lead to hazardous reactions at normal use.

### 10.2. Chemical stability

The product is stable at normal storage and handling conditions.

### 10.3. Possibility of hazardous reactions

No hazardous reactions known.

### 10.4. Conditions to avoid

Not indicated

### 10.5. Incompatible materials

Not indicated

### 10.6. Hazardous decomposition products

None under normal conditions.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### General or unspecific toxicity

The product is not classified as toxic.

#### Acute effects

Not classified as an acutely toxic substance.

#### Harmfulness

The product is not classified as harmful to health.

#### Repeated dose toxicity

To the best of our knowledge, no chronic effects have been reported for this product.

#### Carcinogenicity

To the best of our knowledge, no carcinogenic effects have been reported for this product.

#### CMR effects

To the best of our knowledge, no mutagenic or otherwise genetic or reproductive toxic effects have been reported for this product.

#### Sensibilisation

Hypersensitive reactions cannot be ruled out for persons who are overtly sensitive.

#### Corrosive and irritating effects

The product is not corrosive. Minor irritation cannot be ruled out for persons who are prone/susceptible.

#### Synergism and antagonism

To the best of our knowledge, no synergistic effects have been reported for this product or any of its ingredients.

#### Effect on judgement and other psychological effects

To the best of our knowledge this product does not affect discernment if used in the manner intended.

#### Effect on human microflora

Effects on human micro flora have not been proven, or are negligible.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

This product consists of easily degradable naturally occurring or nature identical substances, mainly obtained from renewable sources, whereby the global environmental load may be considered to be negligible. In the local environment minor ecological effects may occur in case of large discharge.

### 12.2. Persistence and degradability

The product degrades in the natural environment.

### 12.3. Bioaccumulative potential

Neither this product, nor its contents, accumulates in nature.

### 12.4. Mobility in soil

The product is miscible with water and is therefore variable in soil and water.

### 12.5. Results of PBT and vPvB assessment

No chemical safety report has been executed.

### 12.6. Other adverse effects

Not indicated

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

#### Waste handling for the product

The product is not classified as hazardous waste.

Also take local regulations for dealing with waste into account.

Cf. also national waste regulations.

#### Recycling of the product

This product is not usually recycled.

#### Transportation of waste

Waste class J(0) - Does not have adverse effects on health or the environment.

## SECTION 14: TRANSPORT INFORMATION

This product is only supposed to be transported by road or railway and just the transport regulations ADR/RID thus apply. If other means of transport are to be used, contact the publisher of this safety data sheet.

### 14.1. UN number

Not classified as dangerous goods

### 14.2. UN proper shipping name

Not applicable

### 14.3. Transport hazard class(es)

Not applicable

### 14.4. Packing group

Not applicable

### 14.5. Environmental hazards

Not applicable

### 14.6. Special precautions for user

Not applicable

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable

## SECTION 15: REGULATORY INFORMATION

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Not applicable.

### 15.2. Chemical safety assessment

Assessment and chemical safety report in accordance with 1907/2006 Annex I has not yet been performed.

## SECTION 16: OTHER INFORMATION

### 16a. Indication of where changes have been made to the previous version of the safety data sheet

#### Revisions of this document

This is the first version.

### 16b. Legend to abbreviations and acronyms used in the safety data sheet

#### Explanations of the abbreviations in Section 14

ADR European Agreement concerning the International Transport of Dangerous Goods by Road

RID Regulations concerning the International Transport of Dangerous Goods by Rail

### 16c. Key literature references and sources for data

#### Sources for data

Primary data for the calculation of the hazards has preferentially been taken from the official European classification list, 1272/2008 Annex I, as updated to 2013-02-28.

Where such data was lacking, on the second hand the documentation on which this official classification is based was used, e.g. IUCLID (International Uniform Chemical Information Database). On the third hand, information was used from reputable international chemical suppliers, and on the fourth hand from other available information, e.g. safety data sheets from other suppliers or information from non-profit associations, whereby the reliability of the source was judged by an expert. If, in spite of this, reliable information was not found, the hazards were judged by expert opinions based on the known properties of similar substances, and according to the principles in 1907/2006 and 1272/2008.

### **Full texts for Regulations mentioned in this Safety Data Sheet**

- 453/2010 COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
- 1272/2008 REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
- 1999/45/EG DIRECTIVE 1999/45/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 May 1999 concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations
- 89/391 COUNCIL DIRECTIVE (89/391/EEC) of 12 June 1989 on the introduction of measures to encourage improvements in the safety and health of workers at work
- 1907/2006 REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC Annex I

### **16d. Methods of evaluating information referred to in 1272/2008 Article 9 which was used for the purpose of classification**

The calculation of the hazards of this mixture has been performed as an evaluation by applying a weight of evidence determination using expert judgement in accordance with 1272/2008 Annex I, weighing all available information having a bearing on the determination of the hazards of the mixture, and in accordance with 1907/2006 Annex XI.

### **16e. Advice on any training appropriate for workers to ensure protection of human health and the environment**

#### **Warning for misuse**

This product is not expected to cause severe harm to humans or the environment. However the manufacturer, the distributor or the supplier cannot be responsible for unusual or criminal use of the product.