



## SAFETY DATA SHEET

STUDLOCK

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Compilation date: 05/08/2013

Revision date: 18/05/2015

Revision No: 3

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

#### 1.1. Product identifier

Product name: STUDLOCK

Product code: SXSL50

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

Use of substance / mixture: PC1: Adhesives, sealants.

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

Company name: Central Solutions (GB) Ltd

Sol-X House  
Windmill Lane  
Norton  
Doncaster  
DN6 9AT

Tel: +44 (0)1302 708895

Fax: +44 (0)1302 708895

Email: info@solxsolutions.com

#### 1.4. Emergency telephone number

Emergency tel: +44 (0)1302 708895 (office hours only)

### Section 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Classification under CHIP: Xi: R36/37/38; Sens.: R43

Classification under CLP: Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317

Most important adverse effects: Irritating to eyes, respiratory system and skin. May cause sensitisation by skin contact.

#### 2.2. Label elements

Label elements:

Hazard statements: H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

Signal words: Warning

Hazard pictograms: GHS07: Exclamation mark



[cont...]

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**Precautionary statements:** P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing.  
Rinse skin with water/shower.  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes.  
Remove contact lenses, if present and easy to do. Continue rinsing.  
P264: Wash hands thoroughly after handling.

## Label elements under CHIP:

**Hazard symbols:** Irritant.



**Risk phrases:** R36/37/38: Irritating to eyes, respiratory system and skin.  
R43: May cause sensitisation by skin contact.

**Safety phrases:** S24: Avoid contact with skin.  
S37: Wear suitable gloves.

## 2.3. Other hazards

**PBT:** This product is not identified as a PBT/vPvB substance.

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients:

2-HYDROXYETHYL METHACRYLATE - REACH registered number(s): 01-2119490169-29-0000

| EINECS    | CAS      | CHIP Classification    | CLP Classification   | Percent |
|-----------|----------|------------------------|--|---------|
| 212-782-2 | 868-77-9 | Xi: R36/38; Sens.: R43 | Eye Irrit. 2: H319; Skin Irrit. 2: H315;<br>Skin Sens. 1: H317 | 10-30%  |

ISOBUTYL METHACRYLATE - REACH registered number(s): 01-2119488331-38-0000

|           |         |  |  |       |
|-----------|---------|--|--|-------|
| 202-613-0 | 97-86-9 | -: R10; Xi: R36/37/38; Sens.: R43;<br>N: R50 | Flam. Liq. 3: H226; Eye Irrit. 2: H319;<br>STOT SE 3: H335; Skin Irrit. 2: H315;<br>Skin Sens. 1: H317; Aquatic Acute 1:<br>H400 | 1-10% |
|-----------|---------|--|--|-------|

4-TERT-BUTYLCYCLOHEXYL METHACRYLATE

|           |            |               |   |       |
|-----------|------------|---------------|---|-------|
| 256-277-5 | 46729-07-1 | Xi: R36/37/38 | STOT SE 3: H335; Eye Irrit. 2: H319;<br>Skin Irrit. 2: H315 | 1-10% |
|-----------|------------|---------------|---|-------|

AMORPHOUS SILICA

|           |           |   |   |       |
|-----------|-----------|---|---|-------|
| 231-545-4 | 7631-86-9 | Substance with a Community<br>workplace exposure limit. | - | 1-10% |
|-----------|-----------|---|---|-------|

[cont...]

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## 1,2,3,4-TETRAHYDROQUINOLINE

|           |          |               |   |     |
|-----------|----------|---------------|---|-----|
| 211-237-6 | 635-46-1 | Xi: R36/37/38 | Skin Irrit. 2: H315; Eye Irrit. 2: H319;<br>STOT SE 3: H335 | <1% |
|-----------|----------|---------------|---|-----|

## CUMENE HYDROPEROXIDE

|           |         |  |   |     |
|-----------|---------|--|---|-----|
| 201-254-7 | 80-15-9 | O: R7; Xn: R21/22; T: R23; C: R34;<br>Xn: R48/20/22; N: R51/53 | Org. Perox. EF: H242; Acute Tox. 3:<br>H331; Acute Tox. 4: H312; Acute Tox. 4:<br>H302; STOT RE 2: H373; Skin Corr.<br>1B: H314 | <1% |
|-----------|---------|--|---|-----|

## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

**Eye contact:** Bathe the eye with running water for 15 minutes. Consult a doctor.

**Ingestion:** Wash out mouth with water. Consult a doctor.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

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

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be irritation and redness. The eyes may water profusely.

**Ingestion:** There may be soreness and redness of the mouth and throat.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

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

**Immediate / special treatment:** Eye bathing equipment should be available on the premises.

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

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

**Exposure hazards:** In combustion emits toxic fumes.

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

[cont...]

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## Section 6: Accidental release measures

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

**Personal precautions:** Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

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

**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

### 6.4. Reference to other sections

**Reference to other sections:** Refer to section 8 of SDS.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air.

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

**Storage conditions:** Store in a cool, well ventilated area. Keep container tightly closed.

### 7.3. Specific end use(s)

**Specific end use(s):** No special requirement.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Hazardous ingredients:**

**ISOBUTYL METHACRYLATE**

**Workplace exposure limits:**

**Respirable dust**

| State | 8 hour TWA            | 15 min. STEL | 8 hour TWA | 15 min. STEL |
|-------|-----------------------|--------------|------------|--------------|
| UK    | 300 mg/m <sup>3</sup> | -            | -          | -            |

**AMORPHOUS SILICA**

|    |   |   |                       |   |
|----|---|---|-----------------------|---|
| UK | - | - | 2.4 mg/m <sup>3</sup> | - |
|----|---|---|-----------------------|---|

### DNEL/PNEC Values

DNEL / PNEC No data available.

[cont...]

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## 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency.

**Hand protection:** Protective gloves.

**Eye protection:** Safety glasses. Ensure eye bath is to hand.

**Skin protection:** Protective clothing.

## Section 9: Physical and chemical properties

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

**State:** Liquid

**Colour:** Red

**Odour:** Sweet-smelling

**Viscosity:** Viscous

**Boiling point/range°C:** Not Determined

**upper:** Not Determined

**Autoflammability°C:** Not Determined

**Relative density:** 1.024

**VOC g/l:** 221

**Flammability limits %: lower:** Not Determined

**Flash point°C:** Not Determined

**Vapour pressure:** Not Determined

**pH:** Not Determined

### 9.2. Other information

**Other information:** No data available.

## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

**Chemical stability:** Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.

Decomposition may occur on exposure to conditions or materials listed below.

### 10.4. Conditions to avoid

**Conditions to avoid:** Heat.

### 10.5. Incompatible materials

**Materials to avoid:** Strong oxidising agents. Strong acids.

### 10.6. Hazardous decomposition products

**Haz. decomp. products:** In combustion emits toxic fumes.

[cont...]

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## Section 11: Toxicological information

### 11.1. Information on toxicological effects

**Hazardous ingredients:**

**2-HYDROXYETHYL METHACRYLATE**

|        |     |      |       |       |
|--------|-----|------|-------|-------|
| DERMAL | RBT | LD50 | >3000 | mg/kg |
| ORAL   | RAT | LD50 | >5000 | mg/kg |

**ISOBUTYL METHACRYLATE**

|       |     |      |       |       |
|-------|-----|------|-------|-------|
| GASES | MUS | LD50 | 29.7  | mg/l  |
| ORAL  | RAT | LD50 | >5000 | mg/kg |

**4-TERT-BUTYLCYCLOHEXYL METHACRYLATE**

|      |     |      |       |       |
|------|-----|------|-------|-------|
| ORAL | RAT | LD50 | >2000 | mg/kg |
|------|-----|------|-------|-------|

**AMORPHOUS SILICA**

|        |     |      |       |       |
|--------|-----|------|-------|-------|
| DERMAL | RAT | LD50 | >2000 | mg/kg |
| ORAL   | RAT | LD50 | >1000 | mg/kg |

**CUMENE HYDROPEROXIDE**

|     |     |      |     |       |
|-----|-----|------|-----|-------|
| ORL | MUS | LDLO | 5   | gm/kg |
| ORL | RAT | LD50 | 382 | mg/kg |
| SCU | RAT | LD50 | 382 | mg/kg |

**Relevant effects for mixture:**

| Effect        | Route       | Basis                 |
|---------------|-------------|-----------------------|
| Irritation    | OPT INH DRM | Hazardous: calculated |
| Sensitisation | DRM         | Hazardous: calculated |

### Symptoms / routes of exposure

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be irritation and redness. The eyes may water profusely.

**Ingestion:** There may be soreness and redness of the mouth and throat.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

## Section 12: Ecological information

[cont...]

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## 12.1. Toxicity

**Hazardous ingredients:**

### 2-HYDROXYETHYL METHACRYLATE

|  |          |       |      |
|--|----------|-------|------|
| DAPHNIA MAGNA                          | 48H EC50 | 380   | mg/l |
| GREEN ALGA (Selenastrum capricornutum) | 72H EC50 | 836   | mg/l |
| ORYZLAS LATIPES                        | 96H LC50 | >100  | mg/l |
| PSEUDOMONAS FLUORESCENS                | 16H EC50 | >3000 | mg/l |

### ISOBUTYL METHACRYLATE

|  |          |     |      |
|--|----------|-----|------|
| Daphnia magna                          | 48H EC50 | >29 | mg/l |
| GREEN ALGA (Selenastrum capricornutum) | 72H IC50 | 16  | mg/l |
| RAINBOW TROUT (Oncorhynchus mykiss)    | 96H LC50 | 20  | mg/l |

## 12.2. Persistence and degradability

**Persistence and degradability:** Biodegradable.

## 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No bioaccumulation potential.

## 12.4. Mobility in soil

**Mobility:** Readily absorbed into soil.

## 12.5. Results of PBT and vPvB assessment

**PBT identification:** This product is not identified as a PBT/vPvB substance.

## 12.6. Other adverse effects

**Other adverse effects:** Negligible ecotoxicity.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## Section 14: Transport information

**Transport class:** This product does not require a classification for transport.

## Section 15: Regulatory information

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

[cont...]

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## 15.2. Chemical Safety Assessment

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

## Section 16: Other information

### Other information

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

\* indicates text in the SDS which has changed since the last revision.

#### ABBREVIATIONS

PBT - Persistent Bioaccumulative

Toxic VOC - Volatile Organic Content

STP - Sewage Treatment Plant

LC0 - Maximum Sublethal Concentration

LC50 - Lethal Concentration 50% LD50 -  
Lethal Dose 50%

PNEC - Predicted No Effect Concentration

DNEL - Derived No Effect Level

OPT - Ophthalmic

ING - Ingestion

RBT - Rabbit

MUS - Mouse

ORL - Oral DRM

- Dermal INH -

Inhalation

**Phrases used in s.2 and s.3:** H226: Flammable liquid and vapour.

H242: Heating may cause a fire.

H302: Harmful if swallowed.

H312: Harmful in contact with skin.

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H331: Toxic if inhaled.

H335: May cause respiratory irritation.

H373: May cause damage to organs <or state all organs affected, if known>  
through prolonged or repeated exposure <state route of exposure if it is conclusively  
proven that no other routes of exposure cause the hazard>.

H400: Very toxic to aquatic life.

[cont...]



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R7: May cause fire.

R10: Flammable.

R21/22: Harmful in contact with skin and if swallowed.

R23: Toxic by inhalation.

R34: Causes burns.

R36/37/38: Irritating to eyes, respiratory system and skin.

R36/38: Irritating to eyes and skin.

R43: May cause sensitisation by skin contact.

R48/20/22: Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.

R50: Very toxic to aquatic organisms.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Legal disclaimer:** This company shall not be held liable for any damage resulting from handling or from contact with the above product.