

# SAFETY DATA SHEET

## Stud Lock

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

#### 1.1. Product identifier

Product name Stud Lock

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

Identified uses PC1 Adhesives, sealants

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

Supplier Aztec Chemicals  
Unit 16, University Way  
Orion Park  
Crewe  
Cheshire  
CW1 6NG  
+ 44 (0) 1270 655500 (T)  
+ 44 (0) 1270 655501 (F)  
info@aztecchemicals.com

#### 1.4. Emergency telephone number

Emergency telephone +44 (0)7831 300868

### SECTION 2: Hazards identification

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

##### Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317

Environmental hazards Not Classified

Human health Prolonged or repeated contact with skin may cause irritation, redness and dermatitis.

#### 2.2. Label elements

##### Pictogram



Signal word Warning

Hazard statements H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.

Precautionary statements P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P313 Get medical advice/ attention.  
P308+P311 IF exposed or concerned: Call a POISON CENTER or doctor.  
P501 Dispose of contents/ container in accordance with local regulations.

Contains Isobutyl methacrylate

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**Supplementary precautionary statements**

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
 P264 Wash ... thoroughly after handling.  
 P271 Use only outdoors or in a well-ventilated area.  
 P272 Contaminated work clothing should not be allowed out of the workplace.  
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
 P405 Store locked up.

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>CUMENE HYDROPEROXIDE</b>			<b>1-5%</b>
CAS number: 80-15-9	EC number: 201-254-7	REACH registration number: 01-2119475796-19	
<b>Classification</b>			
Org. Perox. E - H242			
Acute Tox. 4 - H302			
Acute Tox. 4 - H312			
Acute Tox. 3 - H331			
Skin Corr. 1B - H314			
Eye Dam. 1 - H318			
STOT SE 3 - H335			
STOT RE 2 - H373			
Aquatic Chronic 2 - H411			
<b>Isobutyl methacrylate</b>			<b>1-5%</b>
CAS number: 97-86-9	EC number: 202-613-0	REACH registration number: 01-2119488331-38	
M factor (Acute) = 1			
<b>Classification</b>			
Flam. Liq. 3 - H226			
Skin Irrit. 2 - H315			
Eye Irrit. 2 - H319			
Skin Sens. 1 - H317			
STOT SE 3 - H335			
Aquatic Acute 1 - H400			

The full text for all hazard statements is displayed in Section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**General information** Get medical attention if any discomfort continues. Never give anything by mouth to an unconscious person.

**Inhalation** Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If breathing stops, provide artificial respiration. Do not induce vomiting. Place unconscious person on their side in the recovery position and ensure breathing can take place. Get medical attention.

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<b>Ingestion</b>	Get medical attention immediately. Do not induce vomiting. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Rinse mouth thoroughly with water.
<b>Skin contact</b>	Remove all contaminated clothes and footwear immediately unless stuck to skin. Remove contaminated clothing immediately and wash skin with soap and water. DO NOT use solvents or thinners as skin cleaning agents
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention. Show this Safety Data Sheet to the medical personnel.

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

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	Irritation of nose, throat and airway. Coughing, chest tightness, feeling of chest pressure. Wheezing/breathing difficulties.
<b>Ingestion</b>	There may be soreness and redness of the mouth and throat.
<b>Skin contact</b>	There may be irritation and redness.
<b>Eye contact</b>	Irritation and redness, followed by blurred vision. Profuse watering of the eyes.

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

<b>Notes for the doctor</b>	Treat symptomatically.
<b>Specific treatments</b>	Provide eyewash station and safety shower. Immediate effects can be expected after short-term exposure.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Extinguish with foam, carbon dioxide, dry powder or water fog. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk.
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### 5.2. Special hazards arising from the substance or mixture

<b>Specific hazards</b>	Thermal decomposition or combustion products may include the following substances: Toxic gases or vapours.
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### 5.3. Advice for firefighters

<b>Protective actions during firefighting</b>	Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. If risk of water pollution occurs, notify appropriate authorities.
<b>Special protective equipment for firefighters</b>	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Avoid contact with skin and eyes.

## SECTION 6: Accidental release measures

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

<b>Personal precautions</b>	Wear protective clothing as described in Section 8 of this safety data sheet. Approach the spillage from upwind. Keep unnecessary and unprotected personnel away from the spillage. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Turn leaking containers leak-side up to prevent the escape of liquid.
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### 6.2. Environmental precautions

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**Environmental precautions** Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body. Do not discharge into drains or watercourses or onto the ground. Bund storage facilities to prevent soil and water pollution in the event of spillage.

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

**Methods for cleaning up** Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb in vermiculite, dry sand or earth and place into containers. Collect and place in suitable waste disposal containers and seal securely.

### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8. For waste disposal, see Section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Avoid contact with skin and eyes. Contaminated rags and cloths must be put in fireproof containers for disposal. Provide adequate ventilation. Do not use in confined spaces without adequate ventilation and/or respirator. Avoid the formation of mists.

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

**Storage precautions** Store in tightly-closed, original container in a dry, cool and well-ventilated place.

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

##### **Isobutyl methacrylate**

Long-term exposure limit (8-hour TWA): WEL 300 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

### 8.2. Exposure controls

**Appropriate engineering controls** This product is not to be used under conditions of poor ventilation. Provide adequate general and local exhaust ventilation.

**Personal protection** When using do not smoke

**Eye/face protection** Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles. Provide eyewash station and safety shower.

**Hand protection** Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. Barrier cream applied before work may make it easier to clean the skin after exposure, but does not prevent absorption through the skin.

**Other skin and body protection** Provide eyewash station. Wear apron or protective clothing in case of contact.

**Hygiene measures** Use engineering controls to reduce air contamination to permissible exposure level. Wash at the end of each work shift and before eating, smoking and using the toilet.

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**Respiratory protection** If ventilation is inadequate, suitable respiratory protection must be worn. Self-containing breathing apparatus (SCBA) or positive pressure airline with mask are to be used in oxygen-deficient atmosphere. Air purifiers respirators will not provide protection. Users of breathing apparatus must be trained.

### SECTION 9: Physical and Chemical Properties

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

<b>Appearance</b>	Liquid.
<b>Colour</b>	Green.
<b>Odour</b>	Sweetish.
<b>Vapour density</b>	>1
<b>Relative density</b>	1.031
<b>Solubility(ies)</b>	Insoluble in water.

#### 9.2. Other information

<b>Other information</b>	Not available.
<b>Volatile organic compound</b>	This product contains a maximum VOC content of 48 g/l.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

<b>Reactivity</b>	Stable at normal ambient temperatures and when used as recommended. Decomposition may occur on exposure to conditions or materials listed below.
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#### 10.2. Chemical stability

<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended.
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#### 10.3. Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	Does not decompose when used and stored as recommended.
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#### 10.4. Conditions to avoid

<b>Conditions to avoid</b>	Avoid heat. Avoid contact with the following materials: Strong oxidising agents.
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#### 10.5. Incompatible materials

<b>Materials to avoid</b>	Keep away from oxidising materials, heat and flames. Strong oxidising agents. Strong acids.
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#### 10.6. Hazardous decomposition products

<b>Hazardous decomposition products</b>	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Toxic and corrosive gases or vapours.
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### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity - oral

<b>ATE oral (mg/kg)</b>	19,100.0
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##### Acute toxicity - dermal

<b>ATE dermal (mg/kg)</b>	55,000.0
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##### Acute toxicity - inhalation

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ATE inhalation (gases ppm) 35,000.0

ATE inhalation (vapours mg/l) 150.0

ATE inhalation (dusts/mists mg/l) 25.0

**Inhalation** Irritating to respiratory system. Coughing, chest tightness, feeling of chest pressure. Wheezing/breathing difficulties.

**Ingestion** Liquid irritates mucous membranes and may cause abdominal pain if swallowed.

**Skin contact** Irritating to skin. Redness.

**Eye contact** Irritating to eyes. Irritation and redness, followed by blurred vision. The eyes may water profusely.

### Toxicological information on ingredients.

#### CUMENE HYDROPEROXIDE

##### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 382.0

Species Rat

ATE oral (mg/kg) 382.0

#### Isobutyl methacrylate

##### Acute toxicity - inhalation

Acute toxicity inhalation (LC<sub>50</sub> vapours mg/l) 29.7

Species Mouse

ATE inhalation (vapours mg/l) 29.7

### SECTION 12: Ecological Information

**Ecotoxicity** The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

#### 12.1. Toxicity

**Toxicity** Not available.

### Ecological information on ingredients.

#### Isobutyl methacrylate

##### Acute aquatic toxicity

LE(C)<sub>50</sub> 0.1 < L(E)C<sub>50</sub> ≤ 1

M factor (Acute) 1

Acute toxicity - fish LC<sub>50</sub>, 96 hours: 20 mg/l, Onchorhynchus mykiss (Rainbow trout)

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**Acute toxicity - aquatic invertebrates**      EC<sub>50</sub>, 48 hours: >29 mg/l, Daphnia magna

**Acute toxicity - aquatic plants**      IC<sub>50</sub>, 72 hours: 16 mg/l, Selenastrum capricornutum

### 12.2. Persistence and degradability

**Persistence and degradability**      The product is biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential**      Bioconcentration potential is low.

### 12.4. Mobility in soil

**Mobility**      Readily absorbed into soil.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment**      This product does not contain any substances classified as PBT or vPvB.

### 12.6. Other adverse effects

**Other adverse effects**      Not available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information**      Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

**Disposal methods**      Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

## SECTION 14: Transport information

**General**      The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### 14.1. UN number

Not applicable.

### 14.2. UN proper shipping name

Not applicable.

### 14.3. Transport hazard class(es)

No transport warning sign required.

### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**

No.

### 14.6. Special precautions for user

Not applicable.

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

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Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

### SECTION 15: Regulatory information

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

<b>National regulations</b>	The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
<b>EU legislation</b>	Commission Regulation (EU) No 453/2010 of 20 May 2010.
<b>Guidance</b>	Workplace Exposure Limits EH40. CHIP for everyone HSG228. Safety Data Sheets for Substances and Preparations. Approved Classification and Labelling Guide (Sixth edition) L131.

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### SECTION 16: Other information

<b>Revision comments</b>	Supplemental information added.
<b>Revision date</b>	06/07/2017
<b>Revision</b>	2
<b>SDS number</b>	10496
<b>SDS status</b>	Approved.
<b>Hazard statements in full</b>	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. H318 Causes serious eye damage. H319 Causes serious eye irritation. H331 Toxic if inhaled. H335 May cause respiratory irritation. H373 May cause damage to organs through prolonged or repeated exposure. H400 Very toxic to aquatic life. H411 Toxic to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.