



SAFETY DATA SHEET
STUD & BEARING

Page: 1

Compilation date: 10/02/2015

Revision No: 5

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

1.1. Product identifier

Product name: STUD & BEARING

Product code: FX085566

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: Force Products Ltd

Stock House

Seymour Road

Nuneaton

Warwickshire

CV11 4LB

UK

Tel:+44(0)2476322130

Fax:+44(0)24763221151

Email: sales@forceproducts.com

1.4. Emergency telephone number

Section 2: Hazards identification

2.1. Classification of the substance or mixture

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

Classification under CLP: STOT SE 3: H335; Aquatic Chronic 3: H412; Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1: H317; -: EUH208

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

2.2. Label elements

Label elements under CLP:

Hazard statements: EUH208: Contains 1-acetyl-2-phenylhydrazine. May produce an allergic reaction.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

H412: Harmful to aquatic life with long lasting effects.

Signal words: Warning

Hazard pictograms: GHS07: Exclamation mark

[cont...]

SAFETY DATA SHEET

STUD & BEARING

Page: 2



Precautionary statements: P264: Wash contaminated skin thoroughly after handling.
P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P302+352: IF ON SKIN: Wash with plenty of soap and water.
P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312: Call a POISON CENTER or doctor if you feel unwell.
P321: Specific treatment (see information on this label).

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: S2: Keep out of the reach of children.
S24: Avoid contact with skin.
S37: Wear suitable gloves.
S46: If swallowed, seek medical advice immediately and show this container or label.

Precautionary phrases: Contains 1-acetyl-2-phenylhydrazine. May produce an allergic reaction.

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:

POLYGLYCOL DIMETHACRYLATE

EINECS	CAS	CHIP Classification	CLP Classification	Percent
203-652-6	109-16-0	Xi: R36/37/38; Sens.: R43	Skin Sens. 1: H317	50-70%

[cont...]

SAFETY DATA SHEET

STUD & BEARING

Page: 3

2-HYDROXYPROPYL METHACRYLATE

213-090-3	923-26-2	Xi: R36; Sens.: R43	Eye Irrit. 2: H319; Skin Sens. 1: H317	1-10%
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ACRYLIC ACID

201-177-9	79-10-7	-: R10; Xn: R20/21/22; C: R35; N: R50	Flam. Liq. 3: H226; Acute Tox. 4: H332; Acute Tox. 4: H312; Acute Tox. 4: H302; Skin Corr. 1A: H314; Aquatic Acute 1: H400	1-10%
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CUMENE HYDROPEROXIDE

201-254-7	80-15-9	O: R7; Xn: R21/22; T: R23; C: R34; Xn: R48/20/22; N: R51/53	Org. Perox. EF: H242; Acute Tox. 3: H331; Acute Tox. 4: H312; Acute Tox. 4: H302; STOT RE 2: H373; Skin Corr. 1B: H314	1-10%
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1-ACETYL-2-PHENYLHYDRAZINE

204-055-3	114-83-0	Xn: R21/22; Sens.: R43; Xi: R36/37/38; N: R50	Acute Tox. 3: H301+311; Skin Irrit. 2: H315; STOT SE 3: H335; Aquatic Chronic 1: H410; Eye Irrit. 2: H319; Skin Sens. 1B: H317	<1%
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N,N-DIMETHYL-P-TOLUIDINE

202-805-4	99-97-8	T: R23/24/25; Xn: R33; -: R52/53	Acute Tox. 3: H331; Acute Tox. 3: H311; Acute Tox. 3: H301; STOT RE 2: H373; Aquatic Chronic 3: H412	<1%
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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.

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SAFETY DATA SHEET

STUD & BEARING

Page: 4

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.

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 cool, well ventilated area. Keep container tightly closed.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

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SAFETY DATA SHEET

STUD & BEARING

Page: 5

8.1. Control parameters

Hazardous ingredients:

ACRYLIC ACID

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	30 mg/m ³	60 mg/m ³	-	-

DNEL/PNEC Values

DNEL / PNEC No data available.

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: Barely perceptible odour

Evaporation rate: No data available.

Oxidising: No data available.

Solubility in water: Slightly soluble

Viscosity: No data available.

Boiling point/range°C: >35

Melting point/range°C: No data available.

Flammability limits %: lower: No data available.

upper: No data available.

Flash point°C: >93

Part.coeff. n-octanol/water: No data available.

Autoflammability°C: No data available.

Vapour pressure: No data available.

Relative density: 1.1

pH: No data available.

VOC g/l: 48.6

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.

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SAFETY DATA SHEET

STUD & BEARING

Page: 6

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.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

2-HYDROXYPROPYL METHACRYLATE

ORL	MUS	LD50	7964	mg/kg
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ACRYLIC ACID

IPR	RAT	LD50	22	mg/kg
ORL	MUS	LD50	830	mg/kg
ORL	RAT	LD50	1250	mg/kg
SCU	MUS	LD50	1590	mg/kg

CUMENE HYDROPEROXIDE

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

N,N-DIMETHYL-P-TOLUIDINE

IPR	MUS	LD50	212	mg/kg
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Relevant effects for mixture:

Effect	Route	Basis
Irritation	OPT INH DRM	Hazardous: calculated

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SAFETY DATA SHEET

STUD & BEARING

Page: 7

Sensitisation	DRM	Hazardous: calculated
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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

12.1. Toxicity

Ecotoxicity values: No data available.

12.2. Persistence and degradability

Persistence and degradability: No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

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: No data available.

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

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SAFETY DATA SHEET

STUD & BEARING

Page: 8

15.2. Chemical Safety Assessment

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.

Phrases used in s.2 and s.3: EUH208: Contains <name of sensitising substance>. May produce an allergic reaction.
H226: Flammable liquid and vapour.
H242: Heating may cause a fire.
H301: Toxic if swallowed.
H301+311: Toxic if swallowed or in contact with skin.
H302: Harmful if swallowed.
H311: Toxic in contact with skin.
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.
H332: Harmful 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.
H410: Very toxic to aquatic life with long lasting effects.
H412: Harmful to aquatic life with long lasting effects.
R7: May cause fire.
R10: Flammable.
R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.
R21/22: Harmful in contact with skin and if swallowed.
R23/24/25: Toxic by inhalation, in contact with skin and if swallowed.
R23: Toxic by inhalation.
R33: Danger of cumulative effects.
R34: Causes burns.
R35: Causes severe burns.
R36/37/38: Irritating to eyes, respiratory system and skin.
R36: Irritating to eyes.

[cont...]

SAFETY DATA SHEET

STUD & BEARING

Page: 9

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.

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Legend to abbreviations: PNEC = predicted no effect level

DNEL = derived no effect level

LD50 = median lethal dose

LC50 = median lethal concentration

EC50 = median effective concentration

IC50 = median inhibitory concentration

dw = dry weight

bw = body weight

cc = closed cup

oc = open cup

MUS = mouse

GPG = guinea pig

RBT = rabbit

HAM = hamster

HMN = human

MAM = mammal

PGN = pigeon

IVN = intravenous

SCU = subcutaneous

SKN = skin

DRM = dermal

OCC = ocular/corneal

PCP = physico-chemical properties

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.