



SAFETY DATA SHEET
FORCE SLEEVE & BUSH RETAINER

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Compilation date: 18/02/2015

Revision No: 1

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

1.1. Product identifier

Product name: FORCE SLEEVE & BUSH RETAINER

Product code: X60350 60355

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

Use of substance / mixture: Multi-purpose Retainer

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) 2476 322130

Fax: +44 (0) 2476 322151

Email: Sales@forceproducts.co.uk

1.4. Emergency telephone number

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CHIP: Xi: R37/38; Xi: R41; Sens.: R43

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

Most important adverse effects: Irritating to respiratory system and skin. Risk of serious damage to eyes. May cause sensitisation by skin contact.

2.2. Label elements

Label elements under CLP:

Hazard statements: EUH208: Contains polyglycol dimethacrylate, bis[4-(2,3-epoxypropoxy)phenyl]propane.

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.

Signal words: Warning

Hazard pictograms: GHS07: Exclamation mark

[cont...]

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Precautionary statements: P261: Avoid breathing vapours.
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).
P332+313: If skin irritation occurs: Get medical advice/attention.
P337+313: If eye irritation persists: Get medical advice/attention.
P403+233: Store in a well-ventilated place. Keep container tightly closed.
P501: Dispose of contents/container to comply with Local, National and International regulations.

Label elements under CHIP:

Hazard symbols: Irritant.



Risk phrases: R37/38: Irritating to respiratory system and skin.
R41: Risk of serious damage to eyes.
R43: May cause sensitisation by skin contact.

Safety phrases: S2: Keep out of the reach of children.
S24: Avoid contact with skin.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37/39: Wear suitable gloves and eye / face protection.
S46: If swallowed, seek medical advice immediately and show this container or label.

Precautionary phrases: Contains polyglycol dimethacrylate, bis[4-(2,3-epoxypropoxy)phenyl]propane. 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

[cont...]

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3.2. Mixtures

Hazardous ingredients:

METHACRYLIC DIESTER OF POLYETHYLENE GLYCOL

| EINECS | CAS | CHIP Classification | CLP Classification | Percent |
|--------|------------|---------------------|--|---------|
| - | 25852-47-5 | Xi: R36/37/38 | STOT SE 3: H335; Eye Irrit. 2: H319; Skin Irrit. 2: H315 | 50-70% |

HYDROXYALKYL METHACRYLATE

| | | | | |
|-----------|------------|---------------------|---|--------|
| 248-666-3 | 27813-02-1 | Xi: R36; Sens.: R43 | STOT SE 3: H335; Eye Irrit. 2: H319; Skin Sens. 1: H317 | 10-30% |
|-----------|------------|---------------------|---|--------|

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% |
|-----------|---------|---|--|-------|

2-METHYLPROPENOIC ACID

| | | | | |
|-----------|---------|--------------------|---|-------|
| 201-204-4 | 79-41-4 | Xn: R21/22; C: R35 | Acute Tox. 4: H312; Acute Tox. 4: H302; Skin Corr. 1A: H314 | 1-10% |
|-----------|---------|--------------------|---|-------|

METHANOL

| | | | | |
|-----------|---------|---------------------------------------|---|-----|
| 200-659-6 | 67-56-1 | F: R11; T: R23/24/25; T: R39/23/24/25 | Flam. Liq. 2: H225; Acute Tox. 3: H331; Acute Tox. 3: H311; Acute Tox. 3: H301; STOT SE 1: H370 | <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.

[cont...]

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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.

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.

[cont...]

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Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

2-METHYLPROPENOIC ACID

Workplace exposure limits:

Respirable dust

| State | 8 hour TWA | 15 min. STEL | 8 hour TWA | 15 min. STEL |
|-------|----------------------|-----------------------|------------|--------------|
| UK | 72 mg/m ³ | 143 mg/m ³ | - | - |

METHANOL

| | | | | |
|----|-----------------------|-----------------------|---|---|
| UK | 266 mg/m ³ | 333 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: Green

Odour: Sweet-smelling

Evaporation rate: Negligible

Oxidising: No data available.

Solubility in water: Insoluble

Viscosity: No data available.

Boiling point/range°C: >35

Melting point/range°C: Not applicable.

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: <=1 mmHg

Relative density: 1.1

pH: Not applicable.

VOC g/l: <5

9.2. Other information

Other information: No data available.

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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. Light.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Haz. decomp. products: None known when used as recommended.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

CUMENE HYDROPEROXIDE

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

2-METHYLPROPENOIC ACID

| | | | | |
|-----|-----|------|------|-------|
| ORL | MUS | LD50 | 1250 | mg/kg |
| ORL | RAT | LD50 | 1600 | mg/kg |

METHANOL

| | | | | |
|-----|-----|------|------|-------|
| IVN | RAT | LD50 | 2131 | mg/kg |
| ORL | MUS | LD50 | 7300 | mg/kg |
| ORL | RAT | LD50 | 5628 | mg/kg |

Relevant effects for mixture:

| Effect | Route | Basis |
|--------|-------|-------|
|--------|-------|-------|

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| | | |
|---------------|-------------|-----------------------|
| 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

12.1. Toxicity

Ecotoxicity values: No data available.

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

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.
H225: Highly flammable liquid and vapour.
H242: Heating may cause a fire.
H301: Toxic if swallowed.
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.
H335: May cause respiratory irritation.
H370: Causes damage to organs <or state all organs affected, if known> <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
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>.
R7: May cause fire.
R11: Highly flammable.
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.
R34: Causes burns.
R35: Causes severe burns.
R36/37/38: Irritating to eyes, respiratory system and skin.
R36: Irritating to eyes.
R37/38: Irritating to respiratory system and skin.
R39/23/24/25: Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R41: Risk of serious damage to eyes.
R43: May cause sensitisation by skin contact.

[cont...]

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

R51/53: Toxic 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.