

SAFETY DATA SHEET
HIGH STRENGTH RETAINER

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Issued: 29/06/07
Revision No: 2

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product name: Sleeve & Bush

Product code: LS4

Synonyms:

Use of substance / preparation: High Strength Retainer

Company name: Beal UK Ltd

Sterling Works

Texas Street

Tingley (A650), Leeds

LS27 OHG

UK

Email: sales@beal.org.uk

2. HAZARDS IDENTIFICATION

Main hazards: Irritating to eyes, respiratory system and skin. May cause sensitisation by skin contact.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: HYDROXYALKYL METHACRYLATE 10-30%

CAS: 27813-02-1

[Xi] R36; [Sens.] R43

- ACRYLIC ACID 1-10%

EINECS: 201-177-9 CAS: 79-10-7

[-] R10; [Xn] R20/21/22; [C] R35; [N] R50

- CUMENE HYDROPEROXIDE <1%

EINECS: 201-524-7 CAS: 80-15-9

[O] R7; [Xn] R21/22; [T] R23; [C] R34; [Xn] R48/20/22; [N] R51/53

4. FIRST AID MEASURES (SYMPTOMS)

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.

[cont...]

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- 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. Do not induce vomiting. Consult a doctor.
- Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

5. FIRE-FIGHTING MEASURES

- Extinguishing media:** Carbon dioxide. Foam. Water. Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.
- Exposure hazards:** In combustion emits toxic fumes.
- Protection of fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

- 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.
- Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.
- Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

7. HANDLING AND STORAGE

- 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.
- Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed.
- Suitable packaging:** Must only be kept in original packaging.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Engineering measures:** Ensure there is sufficient ventilation of the area.
- Hand protection:** Protective gloves.
- Eye protection:** Safety glasses. Ensure eye bath is to hand.
- Skin protection:** Protective clothing.

[cont...]

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid
Colour: Green
Odour: Perceptible odour
Solubility in water: Insoluble
Viscosity value: 2500 mPas
Boiling point/range°C: >150
Flash point°C: >100
Vapour pressure: <5 mm Hg @ 7C
Relative density: 1.1
VOC g/l: 4.39%

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.
Conditions to avoid: Heat.
Materials to avoid: Strong oxidising agents. Strong acids.
Haz. decomp. products: In combustion emits toxic fumes.

11. TOXICOLOGICAL INFORMATION

Hazardous ingredients: 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

Chronic toxicity: May cause sensitisation by skin contact.
Routes of exposure: Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

12. ECOLOGICAL INFORMATION**13. DISPOSAL CONSIDERATIONS**

Disposal of packaging: Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

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

[cont...]

14. TRANSPORT INFORMATION**ADR / RID****IMDG / IMO****IATA / ICAO****15. REGULATORY INFORMATION****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.

S24/25: Avoid contact with skin and eyes.

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.

S51: Use only in well-ventilated areas.

Haz. ingredients (label): HYDROXYALKYL METHACRYLATE; ACRYLIC ACID**Note:** The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.**16. OTHER INFORMATION**

Risk phrases used in s.3: R36: Irritating to eyes.
R43: May cause sensitisation by skin contact.
R10: Flammable.
R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.
R35: Causes severe burns.
R50: Very toxic to aquatic organisms.
R7: May cause fire.
R21/22: Harmful in contact with skin and if swallowed.
R23: Toxic by inhalation.

[cont...]

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R34: Causes burns.

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.

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.