

SAFETY DATA SHEET

DE-BONDER

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Issued: 19/06/07

Revision No: 2

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

Product name: DE-BONDER

Product code: LS40

Use of substance / preparation: Removal of most types of glue.

Company name: Beal UK Ltd

Ugtrkpi "Y qtnu

Vgzcu Street

Vkpi rg("C872+

Leeds

LS27 0HG

Email: sales@beal.org.uk

2. HAZARDS IDENTIFICATION

Main hazards: Harmful if swallowed. Irritating to eyes.

Other hazards: Risk of serious damage to eyes.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: GAMMA BUTYROLACTONE >90%

CAS: 96-48-0

[Xn] R22; [Xi] R36

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: There may be mild irritation at the site of contact.

Eye contact: May cause severe eye irritation.

Ingestion: Ingestion of high doses may cause behavioral changes, nervous system stimulation (increased activity, shaking, tremors) and/or depression (fatigue, dizziness and possibly loss of concentration, with collapse, coma and death in cases of severe exposure).

Inhalation: High vapour concentration may cause behavioral changes, nervous system stimulation (increased activity, shaking, tremors) and/or depression (fatigue, dizziness and possibly loss of concentration, with collapse, coma and death in cases of severe exposure) ..

4. FIRST AID MEASURES (ACTION)

Skin contact: Wash immediately with plenty of soap and water.

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Eye contact: Bathe the eye with running water for 15 minutes.

Ingestion: Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Transfer to hospital as soon as possible.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Consult a doctor.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Water fog. Dry chemical powder. Carbon dioxide.

Exposure hazards: In combustion emits toxic fumes. Vapour may travel considerable distance to source of ignition and flash back.

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. 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 the formation or spread of mists in the air. Do not handle in a confined space. Avoid direct contact with the substance.

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.

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Colour: Colourless

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Odour: Odourless
Solubility in water: Miscible
Boiling point/range°C: 204.4
Melting point/range°C: - 43.3
Flammability limits %: lower: 1.4
upper: 16
Flash point°C: 98.3
Autoflammability°C: 438
Vapour pressure: 1.5mmHg@20C
Relative density: 1.129
pH: 7 - 8
VOC g/l: 3

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.
Conditions to avoid: Heat. Sources of ignition. Flames.
Materials to avoid: Strong oxidising agents. Strong acids. Strong bases.
Haz. decomp. products: In combustion emits toxic fumes of carbon monoxide.

11. TOXICOLOGICAL INFORMATION

Hazardous ingredients: GAMMA BUTYROLACTONE
IHL RAT LC50 > 5100 mg/kg
IPR MUS LD50 1100 mg/kg
IPR RAT LD50 1 g/kg
ORL MUS LD50 1460 mg/kg
ORL RAT LD50 1540 mg/kg
SKN GPG LD50 > 5000 mg/kg
Routes of exposure: Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

12. ECOLOGICAL INFORMATION

Hazardous ingredients: GAMMA BUTYROLACTONE
FISH Leuciscus idus 96H LC50 > 220 mg/l
Mobility: Expected to have high mobility in soils.
Persistence and degradability: Undergoes photooxidation with OH in air with a half-life of 56 hours.
Bioaccumulative potential: No bioaccumulation potential.
Other adverse effects: This material is harmful to algae and higher aquatic plants. This material is not classified as harmful or toxic to fish. This material is not classified as harmful or toxic to invertebrates.

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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.

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

Hazard symbols: Harmful.



Risk phrases: R22: Harmful if swallowed.
R36: Irritating to eyes.

Safety phrases: S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Haz. ingredients (label): GAMMA BUTYROLACTONE

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: R22: Harmful if swallowed.
R36: Irritating to eyes.

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.