



## SAFETY DATA SHEET

B-SHIFTER

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Issued: 30/08/06

Revision No: 2

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

**Product name:** B-SHIFTER

**Use / description of product:** Resin remover.

**Company name:** Unicorn Chemicals Ltd

Unicorn House

Mowbray Drive

Blackpool

Lancashire

FY3 7UN

Tel: 01253 396101

Fax: 01253 302895

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

**Hazardous ingredients:** D-LIMONENE (INHIBITED) 1-10%

CAS: 5989-27-5

[-] R10; [Xi] R36/38

**Contains:** Mixture of esters.

### 3. HAZARDS IDENTIFICATION

**Main hazards:** No significant hazard.

### 4. FIRST AID MEASURES (SYMPTOMS)

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

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be irritation of the throat. There may be vomiting.

**Inhalation:** Inhalation of high levels of vapour may cause upper respiratory tract irritation.

### 4. FIRST AID MEASURES (ACTION)

**Skin contact:** Wash with soap and water. Seek medical advice if irritation develops.

**Eye contact:** Rinse with water for 10 minutes and seek medical advice if irritation persists.

**Ingestion:** Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Get prompt medical attention.

**Inhalation:** If affected, remove to fresh air. Seek medical attention.

### 5. FIRE-FIGHTING MEASURES

**Extinguishing media:** Carbon dioxide.

**Exposure hazards:** Toxic or irritating fumes may be released at elevated temperatures.

**Protection of fire-fighters:** Wear protective clothing to prevent contact with skin and eyes.

[cont...]

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**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:** Refer to section 8 of SDS for personal protection details.

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using sufficient appropriate absorbent material.

**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:** Do not handle in a confined space.

**Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Engineering measures:** Ensure there is sufficient ventilation of the area. Ester blend suggested OEL: 10mg/m<sup>3</sup> (8h TWA).

**Respiratory protection:** If Workplace Exposure Limit(s) listed above are exceeded, respiratory protection may be required.

**Hand protection:** Protective gloves.

**Eye protection:** Safety goggles.

**Skin protection:** Protective overalls.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**State:** Liquid

**Colour:** Pale straw

**Odour:** Pine

**Solubility in water:** Insoluble

**Boiling point/range°C:** 190-230

**Flash point°C:** 86

**Autoflammability°C:** 370

**Relative density:** 1.084

**10. STABILITY AND REACTIVITY**

**Stability:** Stable under normal conditions.

**Materials to avoid:** Strong acids. Strong bases. Oxidising agents.

**Haz. decomp. products:** In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

**11. TOXICOLOGICAL INFORMATION**

**Hazardous ingredients:** D-LIMONENE (INHIBITED)

ORL RAT LD50 >5 g/Kg

SKN RBT LD50 >5 g/kg

**Routes of exposure:** May cause irritation of skin, eyes, nose and upper respiratory tract.

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**12. ECOLOGICAL INFORMATION****Mobility:** Insoluble in water.**Persistence and degradability:** Biodegradable.**13. DISPOSAL CONSIDERATIONS****Disposal operations:** Contact Unicorn Chemicals Ltd to arrange disposal.**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.**14. TRANSPORT INFORMATION****ADR / RID****UN no:** -**Shipping name:** NOT CLASSIFIED AS DANGEROUS IN THE MEANING OF TRANSPORT REGULATIONS.**IMDG / IMO****UN no:** -**IATA / ICAO****UN no:** -**15. REGULATORY INFORMATION****Hazard symbols:** No significant hazard.**Safety phrases:** S2: Keep out of the reach of children.

S46: If swallowed, seek medical advice immediately and show this container or label.

**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****Other information:** Always use in accordance with manufacturer's directions.

D-Limonene used in this product contains anti-oxidant (bht) which eliminates the requirement for R43 classification (May cause sensitisation by skin contact).

This safety data sheet is prepared in accordance with EC Directive 2001/58/EC.

**Risk phrases used in s.2:** R10: Flammable.

R36/38: Irritating to eyes and skin.

**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.