

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

**Product name:** LIME HEAVY DUTY DEGREASER

**Company name:** Lime Supply Ltd

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## 2. HAZARDS IDENTIFICATION

**Main hazards:** Irritating to skin. Risk of serious damage to eyes.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

- Hazardous ingredients:** DISODIUM METASILICATE 5-10%
- EINECS: 229-912-9 CAS: 6834-92-0
- [C] R34; [Xi] R37
- 2-(2-BUTOXYETHOXY)ETHANOL 5-10%
- EINECS: 203-961-6 CAS: 112-34-5
- [Xi] R36
- 2-BUTOXYETHANOL 5-10%
- EINECS: 203-905-0 CAS: 111-76-2
- [Xn] R20/21/22; [Xi] R36/38
- PRIMARY ALCOHOL ETHOXYLATE 1-5%
- CAS: 68439-45-2
- [Xn] R22; [Xi] R41
- 02845000 5-10%
- CAS: 1300-72-7
- [Xi] R36

## 4. FIRST AID MEASURES (SYMPTOMS)

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

**Eye contact:** There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

**Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

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**4. FIRST AID MEASURES (ACTION)**

- 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. Transfer to hospital for specialist examination.
- Ingestion:** Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.
- Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so.

**5. FIRE-FIGHTING MEASURES**

- Extinguishing media:** 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:** Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. 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. 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**

- Hazardous ingredients:** 2-(2-BUTOXYETHOXY)ETHANOL  
WEL (8 hr TWA): 67.5 mg/m<sup>3</sup> WEL (15 min STEL): 101.2 mg/m<sup>3</sup>
- 2-BUTOXYETHANOL  
WEL (8 hr TWA): 25 ppm WEL (15 min STEL): 50 ppm
- 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:** Tightly fitting safety goggles. Ensure eye bath is to hand.
- Skin protection:** Protective clothing.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

- State:** Liquid
- Colour:** Colourless
- Odour:** Characteristic odour
- Oxidising:** Non-oxidising (by EC criteria)
- Solubility in water:** Soluble
- Also soluble in:** Most organic solvents.
- Viscosity:** Non-viscous
- Flash point°C:** 70
- pH:** >12.5

**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:** DISODIUM METASILICATE  
ORL MUS LD50 770 mg/kg  
ORL RAT LD50 1153 mg/kg
- 2-(2-BUTOXYETHOXY)ETHANOL  
ORL MUS LD50 6050 mg/kg  
ORL RAT LD50 4500 mg/kg
  - 2-BUTOXYETHANOL  
IVN RAT LD50 307 mg/kg  
ORL MUS LD50 1230 mg/kg  
ORL RAT LD50 470 mg/kg
  - PRIMARY ALCOHOL ETHOXYLATE  
ORL RAT LD50 >200<2000 mg/kg
  - 02845000  
ORL RAT LD50 >7000 mg/kg

**Routes of exposure:** Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

**12. ECOLOGICAL INFORMATION**

- Hazardous ingredients:** PRIMARY ALCOHOL ETHOXYLATE  
FISH 96H LC50 1-10 mg/l
- Mobility:** Readily absorbed into soil.
- Persistence and degradability:** Biodegradable.

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LIME HEAVY DUTY DEGREASER**Bioaccumulative potential:** No bioaccumulation potential.**Other adverse effects:** Negligible ecotoxicity.**13. DISPOSAL CONSIDERATIONS****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:** 1760**ADR Class:** 8**Packing group:** III**Classification code:** C9**Shipping name:** CORROSIVE LIQUID, N.O.S. (DISODIUM METASILICATE)**Labelling:** 8**Hazard ID no:** 80**IMDG / IMO****UN no:** 1760**Class:** 8**Packing group:** III**EmS:** 8-15**Marine pollutant:** .**Labelling:** 8**IATA / ICAO****UN no:** 1760**Class:** 8**Packing group:** III**Packing instructions:** 818(P&CA); 820(PAO)**Labelling:** 8**15. REGULATORY INFORMATION****Hazard symbols:** Irritant.**Risk phrases:** R38: Irritating to skin.

R41: Risk of serious damage to eyes.

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

S39: Wear eye / face protection.

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**Haz. ingredients (label):** DISODIUM METASILICATE

**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:** R34: Causes burns.

R37: Irritating to respiratory system.

R36: Irritating to eyes.

R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.

R36/38: Irritating to eyes and skin.

R22: Harmful if swallowed.

R41: Risk of serious damage 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.

