



SAFETY DATA SHEET

LEMON GEL

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Issued: 24/03/06

Revision No: 3

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

Product name: LEMON GEL

Use / description of product: Concentrated cleaner/disinfectant.

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: NONIONIC SURFACTANT(CAS 68412-54-4) 10-30%

CAS: 68412-54-4

[Xi] R36/38; [-] R53

- D-LIMONENE (INHIBITED) 10-30%

CAS: 5989-27-5

[-] R10; [Xi] R36/38

- PROPAN-2-OL 10-30%

EINECS: 200-661-7 CAS: 67-63-0

[F] R11; [Xi] R36; [-] R67

3. HAZARDS IDENTIFICATION

Main hazards: Flammable. Irritating to eyes and skin. May cause long-term adverse effects in the aquatic environment.

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.

Ingestion: There may be irritation of the mouth, throat and digestive tract.

Inhalation: No undue effects under normal circumstances.

4. FIRST AID MEASURES (ACTION)

Skin contact: Wash with soap and water.

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

Ingestion: Wash out mouth with water. Do not induce vomiting. Seek medical attention.

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

[cont...]

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5. FIRE-FIGHTING MEASURES

Extinguishing media: Water spray. Alcohol or polymer foam. Carbon dioxide. Dry chemical powder.

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: Wear appropriate protective clothing. Turn leaking containers leak-side up to prevent the escape of liquid.

Environmental precautions: Contain the spillage using sufficient appropriate absorbent material.

Clean-up procedures: Spillage of this material presents a slip hazard. Mix with sand or vermiculite. Wash the spillage site with large amounts of water.

7. HANDLING AND STORAGE

Handling requirements: Avoid contact with eyes and skin.

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed. Protect from freezing.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Hazardous ingredients: PROPAN-2-OL
WEL (8 hr exposure limit): 999 mg/m³ WEL (15 min exposure limit): 1250 mg/m³

Engineering measures: Ensure there is sufficient ventilation of the area. D-Limonene (1,8(9)-para-Menthadiene) WEL 100ppm (560mg/m³) 8h TWA; 150ppm (840mg/m³) 15min STEL.

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

Hand protection: PVC or rubber gloves.

Eye protection: Wear safety glasses or goggles if risk of splashing.

Skin protection: Protective overalls.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Colour: Yellow/amber.

Odour: Citrus.

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Dilution 1+3 gives stiff gel.

Flash point°C: 27

Relative density: 0.94-1.04

pH: 9-10

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10. STABILITY AND REACTIVITY**Stability:** Stable under normal conditions.**Materials to avoid:** Oxidising agents.**Haz. decomp. products:** Combustion will generate oxides of carbon, acrid smoke and irritating fumes.**11. TOXICOLOGICAL INFORMATION****Hazardous ingredients:** D-LIMONENE (INHIBITED)

ORL RAT LD50 >5 g/Kg

SKN RBT LD50 >5 g/kg

- PROPAN-2-OL

IVN RAT LD50 1088 mg/kg

ORL MUS LD50 3600 mg/kg

ORL RAT LD50 5045 mg/kg

SCU MUS LDLO 6 gm/kg

12. ECOLOGICAL INFORMATION**Mobility:** The product will dissolve slowly in water.**Persistence and degradability:** Partially or slowly biodegradable.**13. DISPOSAL CONSIDERATIONS****Disposal operations:** Flush waste to foul sewer.**Disposal of packaging:** Clean with water. Retain for recovery.**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:** 1993**ADR Class:** 3**Packing group:** III**Classification code:** F1**Shipping name:** FLAMMABLE LIQUID, N.O.S. (PROPAN-2-OL)**Labelling:** 3**Hazard ID no:** 33**IMDG / IMO****UN no:** 1993**Class:** 3**Packing group:** III**EmS:** F-E,S-E*

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Marine pollutant: .**Labelling:** 3**IATA / ICAO****UN no:** 1993**Class:** 3**Packing group:** III**Packing instructions:** 309(P&CA); 310(CAO)**Labelling:** 3**15. REGULATORY INFORMATION****Hazard symbols:** Irritant.**Risk phrases:** R10: Flammable.

R36/38: Irritating to eyes and skin.

R53: May cause long-term adverse effects in the aquatic environment.

Safety phrases: S2: Keep out of the reach of children.

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

S36/37/39: Wear suitable protective clothing, gloves and eye / face protection.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

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

This product belongs to Hazard Groups A and S under the HSE COSHH Essentials guidelines. (Publication HSG193).

Always use in accordance with manufacturer's directions.

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

Risk phrases used in s.2: R36/38: Irritating to eyes and skin.

R53: May cause long-term adverse effects in the aquatic environment.

R10: Flammable.

R11: Highly flammable.

R36: Irritating to eyes.

R67: Vapours may cause drowsiness and dizziness.

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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.