

SAFETY DATA SHEET

CITRUS DEGREASER

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Issued: 01/08/2008

Revision No: 3

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

Product name: CITRUS DEGREASER

Product code: 714

Use of substance / preparation: 714 : A low odour degreaser based on citrus solvents. Removes grease oil and wax. Water rinsable.

Company name: Clover Chemicals Ltd
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2. HAZARDS IDENTIFICATION

Main hazards: Irritating to skin. May cause sensitisation by skin contact. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Harmful: may cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking.

3. COMPOSITION / INFORMATION ON INGREDIENTS

- Hazardous ingredients:** PETROLEUM DISTILLATE 70-90%
EINECS: 265-149-8 CAS: 64742-47-8
[Xn] R65; [-] R66
- DODECYLBENZENE SUPHONATE ISOPROPYLAMINE SALT 1-10%
CAS: 26264-05-1
[Xi] R41; [Xn] R22; [Xi] R38
 - LIMONENE (CITRUS DULCIS) 10-30%
EINECS: 232-433-8 CAS: 8028-48-6
[-] R10; [Xn] R65; [Xi] R38; [Sens.] R43; [N] R50/53; [Xn] R65

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 soreness and redness of the mouth and throat.

Inhalation: Drowsiness or mental confusion may occur. There may be loss of consciousness.

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4. FIRST AID MEASURES (ACTION)

- Skin contact:** Wash immediately with plenty of soap and water. Remove all contaminated clothes and footwear immediately unless stuck to skin.
- Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.
- Ingestion:** Do not induce vomiting. Wash out mouth with water. 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 conscious, ensure the casualty sits or lies down. If unconscious and breathing is OK, place in the recovery position. If unconscious, check for breathing and apply artificial respiration if necessary. Transfer to hospital as soon as possible.

5. FIRE-FIGHTING MEASURES

- Extinguishing media:** Carbon dioxide. Dry chemical powder.
- Exposure hazards:** In combustion emits toxic fumes of carbon dioxide / carbon monoxide.
- Protection of fire-fighters:** Wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions:** Refer to section 8 of SDS for personal protection details. 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:** Do not handle in a confined space. Ensure there is sufficient ventilation of the area.
- Storage conditions:** Keep container tightly closed. Keep away from sources of ignition. Store in cool, well ventilated area.
- Suitable packaging:** Steel drums. Aluminium containers. Stainless steel.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Hazardous ingredients:** PETROLEUM DISTILLATE
WEL (8 hr TWA): 1000 mg/m³
- Engineering measures:** Ensure there is sufficient ventilation of the area.
- Respiratory protection:** Gas/vapour filter, type A: organic vapours (EN141).
- Hand protection:** Rubber gloves. Gloves (solvent-resistant). Viton gloves.
- Eye protection:** Safety glasses with side-shields.
- Skin protection:** Protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

- State:** Liquid
- Colour:** Colourless
- Odour:** Characteristic odour
- Evaporation rate:** Moderate
- Oxidising:** Non-oxidising (by EC criteria)
- Solubility in water:** Miscible
- Also soluble in:** Most organic solvents.
- Viscosity:** Non-viscous
- Flash point°C:** 62
- Relative density:** 0.82
- pH:** non aqueous
- VOC g/l:** 800

10. STABILITY AND REACTIVITY

- Stability:** Stable under normal conditions.
- Conditions to avoid:** Sources of ignition.
- Materials to avoid:** Strong oxidising agents.
- Haz. decomp. products:** In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

11. TOXICOLOGICAL INFORMATION

- Hazardous ingredients:** DODECYLBENZENE SUPHONATE ISOPROPYLAMINE SALT
ORL RAT LD50 >2000 mg/kg

12. ECOLOGICAL INFORMATION

- Hazardous ingredients:** DODECYLBENZENE SUPHONATE ISOPROPYLAMINE SALT
ALGAE 48H EC50 10 - 300 mg/l
DAPHNIA 96H LC50 15 mg/l
FISH 96H LC50 1 - 5 mg/l
- Mobility:** Floats on water. Volatile.
- Persistence and degradability:** Biodegradable. The surfactants contained in this preparation comply with the biodegradability criteria as laid down in regulation (EC) No.648/2004 on detergents.
- Bioaccumulative potential:** No bioaccumulation potential.

13. DISPOSAL CONSIDERATIONS

- Disposal operations:** D10 Incineration on land.
R1 Solvent reclamation/regeneration.
- Disposal of packaging:** Dispose of as normal industrial waste.
- NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

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14. TRANSPORT INFORMATION**ADR / RID**

UN no: 3082 **ADR Class:** 9
Packing group: III **Classification code:** M6
Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Labelling: 9 **Hazard ID no:** 90

**IMDG / IMO**

UN no: 3082 **Class:** 9
Packing group: III **EmS:** F-A,S-F
Marine pollutant: .
Labelling: 9

IATA / ICAO

UN no: 3082 **Class:** 9
Packing group: III
Packing instructions: 914
Labelling: 9

15. REGULATORY INFORMATION

Hazard symbols: Harmful.
Dangerous for the environment.



Risk phrases: R38: Irritating to skin.
R43: May cause sensitisation by skin contact.
R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65: Harmful: may cause lung damage if swallowed.
R66: Repeated exposure may cause skin dryness or cracking.

Safety phrases: S24: Avoid contact with skin.
S37: Wear suitable gloves.
S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

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S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

S2: Keep out of the reach of children.

Haz. ingredients (label): PETROLEUM DISTILLATE; LIMONENE (CITRUS DULCIS)

Seveso II guideline: No

Water hazard class: 1 Classification by VwVwS

Air emission directive: Class: III Item no: 5.2.5 Amount m%: 98

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: This safety data sheet is prepared in accordance with Regulation (EC) No 1907/2006.

5 LTR ; LIMITED QUANTITY FOR ADR

Risk phrases used in s.3: R65: Harmful: may cause lung damage if swallowed.

R66: Repeated exposure may cause skin dryness or cracking.

R41: Risk of serious damage to eyes.

R22: Harmful if swallowed.

R38: Irritating to skin.

R10: Flammable.

R43: May cause sensitisation by skin contact.

R50/53: Very 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.

