

**SAFETY DATA SHEET**  
SOLVENT DEGREASER

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Issued: 11/01/2005  
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**1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING**

**Product name:** SOLVENT DEGREASER

**Product code:** 710

**Use / description of product:** 710 : A powerfull water rinsable solvent degreaser for fast removal of grease, oil, wax, and bitumen.

**Company name:** Clover Chemicals Ltd  
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**2. COMPOSITION / INFORMATION ON INGREDIENTS**

- Hazardous ingredients:** C10 - C16 PARETH ( 2 - 10 EO ) <1%  
[Xi] R41
- BIS(2-HYDROXYETHYL)OLEYLAMINE <1%  
[Xn] R22; [C] R34; [N] R50
  - DISTILLATES (PETROLEUM), HYDROTREATED LIGHT 70-90%  
EINECS: 265-149-8 CAS: 64742-47-8  
[Xn] R65; [Xi] R66
  - 1,2,4-TRIMETHYLBENZENE 1-10%  
EINECS: 202-436-9 CAS: 95-63-6  
[-] R10; [Xn] R20; [Xi] R36/37/38; [N] R51/53
  - LOW BOILING POINT NAPHTHA - UNSPECIFIED - SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM. 1-10%  
EINECS: 265-199-0 CAS: 64742-95-6  
[F+] R12; [Xi] R38; [N] R51/53; [Xn] R65
  - MESITYLENE 1-10%  
EINECS: 203-604-4 CAS: 108-67-8  
[-] R10; [Xi] R37; [N] R51/53

**3. HAZARDS IDENTIFICATION**

**Main hazards:** Harmful 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.

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

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

**Skin contact:** 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:** Do not induce vomiting. Wash out mouth with water. If conscious, give half a litre of water to drink immediately. If unconscious and breathing is OK, place in the recovery position. 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. Transfer to hospital as soon as possible.

**5. FIRE-FIGHTING MEASURES**

**Extinguishing media:** Water spray. 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.

**Environmental precautions:** Do not discharge into drains or rivers.

**Clean-up procedures:** Absorb into dry earth or sand.

**7. HANDLING AND STORAGE**

**Handling requirements:** Ensure there is sufficient ventilation of the area. Do not handle in a confined space.

**Storage conditions:** Store in cool, well ventilated area.

**Suitable packaging:** Steel drums. Aluminium containers. Stainless steel. Teflon. Glass.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Hazardous ingredients:** 1,2,4-TRIMETHYLBENZENE  
TWA 100 mg/m<sup>3</sup> STEL 200 mg/m<sup>3</sup>

- MESITYLENE

TWA 25 ppm

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Gas/vapour filter, type A: organic vapours (EN141).

**Hand protection:** Gloves (solvent-resistant).

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**Eye protection:** Safety glasses with side-shields.**Skin protection:** Solvent resistant 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**VOC g/l:** 790**10. STABILITY AND REACTIVITY****Stability:** Stable under normal conditions.**Conditions to avoid:** Flames.**Materials to avoid:** Oxidising agents.**Haz. decomp. products:** In combustion emits toxic fumes of carbon dioxide / carbon monoxide.**11. TOXICOLOGICAL INFORMATION****Hazardous ingredients:** 1,2,4-TRIMETHYLBENZENE

IPR RAT LDLO 1752 mg/kg

ORL RAT LD50 5 gm/kg

- LOW BOILING POINT NAPHTHA - UNSPECIFIED - SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.

ORL RAT LD50 8400 mg/kg

- MESITYLENE

IPR GPG LDLO 1303 mg/kg

**12. ECOLOGICAL INFORMATION****Hazardous ingredients:** BIS(2-HYDROXYETHYL)OLEYLAMINE

DAPHNIA 48H EC50 &lt;1 mg/l

FISH 96H LC50 .39 mg/l

**Mobility:** Volatile.**13. DISPOSAL CONSIDERATIONS****Disposal of packaging:** Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

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**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 SUBJECT TO ADR"**IMDG / IMO****UN no:** -**IATA / ICAO****UN no:** -**15. REGULATORY INFORMATION****Hazard symbols:** Harmful.**Risk phrases:** R52/53: Harmful 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:** S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

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.

S57: Use appropriate container to avoid environmental contamination.

S60: This material and its container must be disposed of as hazardous waste.

**Seveso II guideline:** Yes**VbF:** AIII**Water hazard class:** 2 Classification by VwVwS**Air emission directive:** Class: III Item no: 5.2.5 Amount m%: 79

**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.

[cont...]

**16. OTHER INFORMATION**

- Risk phrases used in s.2:**
- R41: Risk of serious damage to eyes.
  - R22: Harmful if swallowed.
  - R34: Causes burns.
  - R50: Very toxic to aquatic organisms.
  - R65: Harmful: may cause lung damage if swallowed.
  - R66: Repeated exposure may cause skin dryness or cracking.
  - R10: Flammable.
  - R20: Harmful by inhalation.
  - R36/37/38: Irritating to eyes, respiratory system and skin.
  - R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
  - R12: Extremely flammable.
  - R38: Irritating to skin.
  - R37: Irritating to respiratory system.

**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.