

SAFETY DATA SHEET

SOLA LEMON

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Issued: 14/01/2004

Revision No: 1

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

Product name: SOLA LEMON

Product code: 312

Use / description of product: 311 : An industrial alkali cleaning concentrate for professional use only.

Company name: Clover Chemicals Ltd

Clover House

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Whaley Bridge, High Peak

Derbyshire

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2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: (C9 - C18)PARETH(2 - 18) 1-10%

- (C12 - C18)PARETH(2 -18) 1-10%

CAS: 24938-91-8

[Xn] R22; [Xi] R41

- SODIUM ALKYLAMINE CARBOXYLATE 30 % 1-10%

[Xi] R36

- /-TRISODIUM NITRILOTRIACETATE 1-10%

EINECS: 225-768-6 CAS: 5064-31-3

[Xn] R22; [Xi] R36

- SODIUM HYDROXIDE 1-10%

EINECS: 215-185-5 CAS: 1310-73-2

[C] R35

3. HAZARDS IDENTIFICATION

Main hazards: Irritating to eyes and skin.

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. The eyes may water profusely.

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. Exposure may cause coughing or wheezing.

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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. Consult a doctor.
- Ingestion:** Wash out mouth with water. Do not induce vomiting. 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. Consult a doctor.

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:** Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. 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. Do not handle in a confined space. Avoid the formation or spread of mists in the air.
- Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Hazardous ingredients:** SODIUM HYDROXIDE
TWA 2 mg/m³ STEL 2 mg/m³
- 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:** Gloves (alkali-resistant).
- Eye protection:** Safety glasses. Ensure eye bath is to hand.
- Skin protection:** Protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid
Colour: Green
Odour: Pleasant
Evaporation rate: Moderate
Oxidising: Non-oxidising (by EC criteria)
Solubility in water: Soluble
Viscosity: Non-viscous
Relative density: 1.05 - 1.10
pH: 1% = 11.96

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: SODIUM HYDROXIDE
IPR MUS LD50 40 mg/kg
ORL RBT LDLO 500 mg/kg
Routes of exposure: Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

12. ECOLOGICAL INFORMATION

Mobility: Readily absorbed into soil.
Persistence and degradability: Biodegradable.
Bioaccumulative potential: No bioaccumulation potential.
Other adverse effects: Negligible ecotoxicity.

13. DISPOSAL CONSIDERATIONS

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.

14. TRANSPORT INFORMATION**ADR / RID**

UN no: 1719
Packing group: III

ADR Class: 8
Classification code: C5

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Shipping name: CAUSTIC ALKALI LIQUID, N.O.S. (SODIUM HYDROXIDE)**Labelling:** 8**Hazard ID no:** 80**IMDG / IMO****UN no:** 1719**Class:** 8**Packing group:** III**EmS:** F-A,S-B**Marine pollutant:** .**Labelling:** 8**IATA / ICAO****UN no:** 1719**Class:** 8**Packing group:** III**Packing instructions:** 819(P&CA); 813(CAO)**Labelling:** 8**15. REGULATORY INFORMATION****Hazard symbols:** Irritant.**Risk phrases:** R36/38: Irritating to eyes and skin.**Safety phrases:** S1/2: Keep locked up and out of the reach of children.

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

Seveso II guideline: No**Water hazard class:** 1 Classification by VwVwS**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.2:** R22: Harmful if swallowed.
R41: Risk of serious damage to eyes.
R36: Irritating to eyes.
R35: Causes severe burns.**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall

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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.