

## SAFETY DATA SHEET

SOLA LEMON

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Issued: 22/07/2010

Revision No: 3

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

**Product name:** SOLA LEMON

**Product code:** 312

**Use of substance / preparation:** 312 : An industrial alkali cleaning concentrate for professional use only.

**Company name:** Clover Chemicals Ltd

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### 2. HAZARDS IDENTIFICATION

**Main hazards:** Irritating to eyes and skin.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Hazardous ingredients:** C 12/15 A, 3-12 EO MULTIBRANCHED (DID 27) 1-2%

EINECS: POLYMER CAS: 24938-91-8

[Xn] R22; [Xi] R41

- SODIUM HYDROXIDE 1-2%

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

[C] R35

- AMPHOTERIC SURFACTANT 1-2%

EINECS: )

[Xi] R36

- C9/11 A, >3-6 EO PREDOMINANTLY LINEAR (DID 21) 0-1%

EINECS: POLYMER CAS: 160875-66-1

[Xi] R41

- C9/11 A,5-11 EO MULTIBRANCHED(DID 23) 0-1%

EINECS: POLYMER CAS: 127036-24-2

[Xi] R41

### 4. FIRST AID MEASURES (SYMPTOMS)

**Skin contact:** There may be irritation and redness at the site of contact. Progressive ulceration will occur if treatment is not immediate.

**Eye contact:** There may be irritation and redness. The eyes may water profusely. Corneal burns may occur.

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**Ingestion:** There may be soreness and redness of the mouth and throat. Corrosive burns may appear around the lips.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

**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. Transfer to hospital if there are burns or symptoms of poisoning.

**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. 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 of carbon dioxide / carbon monoxide.

**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.

**Suitable packaging:** Stainless steel. Teflon. Polyethylene. Do not use aluminium containers.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Hazardous ingredients:** SODIUM HYDROXIDE  
WEL (15 min STEL): 2 mg/m<sup>3</sup>

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

**Hand protection:** Impermeable gloves. Gloves (alkali-resistant). PVC gloves. Viton gloves.

**Eye protection:** Safety glasses with side-shields. Ensure eye bath is to hand.

**Skin protection:** Alkali resistant 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

**Boiling point/range°C:** 100

**Melting point/range°C:** 0

**Relative density:** 1.05 - 1.10

**pH:** 1% = 11.96

**VOC g/l:** 3

## 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 of carbon dioxide / carbon monoxide.

## 11. TOXICOLOGICAL INFORMATION

**Hazardous ingredients:** C 12/15 A, 3-12 EO MULTIBRANCHED (DID 27)

ORL RAT LD50 1.5 g/kg

- SODIUM HYDROXIDE

IPR MUS LD50 40 mg/kg

ORL RBT LDLO 500 mg/kg

- C9/11 A, >3-6 EO PREDOMINANTLY LINEAR (DID 21)

ORL RAT LD50 >2000 mg/kg

- C9/11 A,5-11 EO MULTIBRANCHED(DID 23)

ORL RAT LD50 1400 mg/kg

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

## 12. ECOLOGICAL INFORMATION

**Hazardous ingredients:** C 12/15 A, 3-12 EO MULTIBRANCHED (DID 27)

FISH 96H LC50 >1 mg/l

- C9/11 A, >3-6 EO PREDOMINANTLY LINEAR (DID 21)

ALGAE Scenedesmus 48H EC50 10 - 100 mg/l

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- C9/11 A,5-11 EO MULTIBRANCHED(DID 23)  
FISH 96H LC50 >11.8 mg/l

**Mobility:** Readily absorbed into soil.

**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.

**Other adverse effects:** Negligible ecotoxicity.

**13. DISPOSAL CONSIDERATIONS**

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**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**

<b>UN no:</b> 1760	<b>ADR Class:</b> 8
<b>Packing group:</b> III	<b>Classification code:</b> C9
<b>Shipping name:</b> CORROSIVE LIQUID, N.O.S. (SODIUM HYDROXIDE)	
<b>Labelling:</b> 8	<b>Hazard ID no:</b> 80



**IMDG / IMO**

<b>UN no:</b> 1760	<b>Class:</b> 8
<b>Packing group:</b> III	<b>EmS:</b> F-A,S-B
<b>Marine pollutant:</b> .	
<b>Labelling:</b> 8	

**IATA / ICAO**

<b>UN no:</b> 1760	<b>Class:</b> 8
<b>Packing group:</b> III	
<b>Packing instructions:</b> 818(P&CA); 820(CAO)	
<b>Labelling:</b> 8	

**15. REGULATORY INFORMATION**

**Hazard symbols:** Irritant.



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**Risk phrases:** R36/38: Irritating to eyes and skin.

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

S25: Avoid contact with eyes.

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

**Haz. ingredients (label):** SODIUM HYDROXIDE

**Seveso II guideline:** No

**Water hazard class:** 1 Classification by VwVwS

**Air emission directive:** Amount m%: 0.3

**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.

**Risk phrases used in s.3:** R22: Harmful if swallowed.

R41: Risk of serious damage to eyes.

R35: Causes severe burns.

R36: Irritating 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.

