

## SAFETY DATA SHEET

CLARIFI

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Issued: 01/08/2008

Revision No: 2

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

**Product name:** CLARIFI

**Product code:** 369

**Use of substance / preparation:** 369: Drinking glass renovator

**Company name:** Clover Chemicals Ltd

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### 2. HAZARDS IDENTIFICATION

**Main hazards:** Causes severe burns.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Hazardous ingredients:** SODIUM HYDROXIDE 1-10%

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

[C] R35

- SODIUM HYPOCHLORITE SOLUTION CL ACTIVE 1-10%

EINECS: 231-668-3 CAS: 7681-52-9

[-] R31; [C] R34; [N] R50

### 4. FIRST AID MEASURES (SYMPTOMS)

**Skin contact:** Severe burns may occur.

**Eye contact:** Corneal burns may occur.

**Ingestion:** Corrosive burns may appear around the lips. Nausea and stomach pain may occur.

### 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. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. 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. If conscious, give half a litre of water to drink immediately. Transfer to hospital as soon as possible.

**5. FIRE-FIGHTING MEASURES**

**Extinguishing media:** Water.

**Exposure hazards:** Corrosive.

**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.

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

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

**7. HANDLING AND STORAGE**

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

**Suitable packaging:** Must only be kept in original packaging.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

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

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

**Eye protection:** Safety glasses with side-shields.

**Skin protection:** Alkali resistant protective clothing.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**State:** Liquid

**Colour:** Pale yellow

**Odour:** Characteristic odour

**Evaporation rate:** Moderate

**Solubility in water:** Soluble

**Viscosity:** Non-viscous

**Relative density:** 1.08

**pH:** 13.5

**VOC g/l:** 0

**10. STABILITY AND REACTIVITY**

**Materials to avoid:** Acids.

**Haz. decomp. products:** Contact with acids liberates toxic gas. In combustion emits toxic fumes.

**11. TOXICOLOGICAL INFORMATION**

**Hazardous ingredients:** SODIUM HYDROXIDE  
IPR MUS LD50 40 mg/kg  
ORL RBT LDLO 500 mg/kg

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- SODIUM HYPOCHLORITE SOLUTION...100% CL ACTIVE  
ORL MUS LD50 5800 mg/kg

**12. ECOLOGICAL INFORMATION**

**Mobility:** Soluble in water.

**Bioaccumulative potential:** No bioaccumulation potential.

**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**

<b>UN no:</b>	1719	<b>ADR Class:</b>	8
<b>Packing group:</b>	II	<b>Classification code:</b>	C5
<b>Shipping name:</b>	CAUSTIC ALKALI LIQUID, N.O.S. (SODIUM HYDROXIDE 5 %)		
<b>Labelling:</b>	8	<b>Hazard ID no:</b>	80

**IMDG / IMO**

<b>UN no:</b>	1719	<b>Class:</b>	8
<b>Packing group:</b>	II	<b>EmS:</b>	F-A,S-B
<b>Marine pollutant:</b>	.		
<b>Labelling:</b>	8		

**IATA / ICAO**

<b>UN no:</b>	1719	<b>Class:</b>	8
<b>Packing group:</b>	II		
<b>Packing instructions:</b>	809(P&CA); 813(CAO)		
<b>Labelling:</b>	8		

**15. REGULATORY INFORMATION**

**Hazard symbols:** Corrosive.



**Risk phrases:** R35: Causes severe burns.

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**Safety phrases:** 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).

**Precautionary phrases:** Warning! Do not use together with other products. May release dangerous gases (chlorine).

**Seveso II guideline:** No

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

**Air emission directive:** Amount m%: 0

**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.3:** R35: Causes severe burns.  
R31: Contact with acids liberates toxic gas.  
R34: Causes burns.  
R50: Very toxic to aquatic organisms.

**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.