

SAFETY DATA SHEET

CLARIFI

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Issued: 31/01/2007

Revision No: 1

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

Product name: CLARIFI

Product code: 369

Use / description of product: 369: Drinking glass renovator

Company name: Clover Chemicals Ltd
Clover House
Macclesfield Road
Whaley Bridge, High Peak
Derbyshire
SK23 7DQ
UK
Tel: +44 (0) 1663 733114
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2. 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

3. HAZARDS IDENTIFICATION

Main hazards: Causes severe burns.

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 (8 hr exposure limit): 2 mg/m³ WEL (15 min exposure limit): 2 mg/m³

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**

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

**IMDG / IMO**

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

IATA / ICAO

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

15. REGULATORY INFORMATION

Hazard symbols: Corrosive.



Risk phrases: R35: Causes severe burns.

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

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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.2: 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.