

## SAFETY DATA SHEET

VERSAN

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Revision No: 2

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

**Product name:** VERSAN

**Product code:** 260

**Use of substance / preparation:** Biocidal product

**Company name:** Clover Chemicals Ltd

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### 2. HAZARDS IDENTIFICATION

**Main hazards:** No significant hazard.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Hazardous ingredients:** SODIUM HYPOCHLORITE SOLUTION CL ACTIVE 2-5%

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

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

### 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.

### 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:** Wash out mouth with water. Give 1 cup of water to drink every 10 minutes. Transfer to hospital as soon as possible.

**Inhalation:** Transfer to hospital as soon as possible.

### 5. FIRE-FIGHTING MEASURES

**Extinguishing media:** Water.

**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:** Wash the spillage site with large amounts of water.

**7. HANDLING AND STORAGE**

**Suitable packaging:** Polyethylene. Teflon. Glass.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Hazardous ingredients:** SODIUM HYPOCHLORITE SOLUTION CL ACTIVE  
WEL (8 hr TWA): 1.5mg/m<sup>3</sup>

**Respiratory protection:** Respiratory protection not required.

**Hand protection:** Impermeable gloves.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**State:** Liquid

**Colour:** Pale yellow

**Odour:** Barely perceptible odour

**Evaporation rate:** Moderate

**Solubility in water:** Soluble

**Viscosity:** Non-viscous

**Boiling point/range°C:** 100

**Melting point/range°C:** 0

**Relative density:** 1.145

**pH:** N/A

**VOC g/l:** 0

**10. STABILITY AND REACTIVITY**

**Stability:** Stable under normal conditions.

**Materials to avoid:** Acids.

**Haz. decomp. products:** Contact with acids liberates toxic gas.

**11. TOXICOLOGICAL INFORMATION**

**Hazardous ingredients:** SODIUM HYPOCHLORITE SOLUTION CL ACTIVE  
ORL RAT LD50 750 mg/kg

**12. ECOLOGICAL INFORMATION**

**Hazardous ingredients:** SODIUM HYPOCHLORITE SOLUTION...100% CL ACTIVE  
FISH LC100 1 mg/l

**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:** Not Classified.

**IMDG / IMO**

**UN no:** Not Classified.

**IATA / ICAO**

**UN no:** Not Classified.

**15. REGULATORY INFORMATION**

**Hazard symbols:** No significant hazard.

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

**Precautionary phrases:** Warning! Do not use with other products. May release dangerous gases (chlorine).  
Use biocides safely. Always read the label and product information before use.

**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**

**Other information:** This safety data sheet is prepared in accordance with Regulation (EC) No 1907/2006.

**Risk phrases used in s.3:** R31: Contact with acids liberates toxic gas.

R34: Causes burns.

R50: Very toxic to aquatic organisms.

**Legal disclaimer:** According to 1907/2006/EC, Article 31

