



SAFETY DATA SHEET
SODIUM HYPOCHLORITE 1%

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Issued: 25/07/2006
Revision No: 3

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

Product name: SODIUM HYPOCHLORITE 1%
Product code: HAS033P
Company name: Ecolab
Lotherton Way
Garforth
Leeds
West Yorkshire
LS25 2JY
Tel: 0113 232 0066
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2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: SODIUM HYPOCHLORITE SOLUTION CL ACTIVE <5%
EINECS: 231-668-3 CAS: 7681-52-9
[-] R31; [C] R34; [N] R50
Contains: Sodium Chloride

3. HAZARDS IDENTIFICATION

Main hazards: No significant hazard.

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.
Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

4. FIRST AID MEASURES (ACTION)

Skin contact: In case of accidental skin contact, rinse with water. Contaminated clothing should be washed immediately as this product will bleach.
Eye contact: Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.
Ingestion: If conscious, give half a litre of water to drink immediately. Do not induce vomiting. 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: Water fog.
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.
Clean-up procedures: Small spillages: Wash down the drain with large amounts of water. Large spillages: Mix with sand or vermiculite.

[cont...]

7. HANDLING AND STORAGE

Storage conditions: Keep container tightly closed. Store in cool, well ventilated area. Avoid incompatible materials and conditions - see section 10 of SDS.

Suitable packaging: Should be kept in original packaging

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Workplace exposure limits**

WEL (8 hr exposure limit): Chlorine 0.5ppm

WEL (15 min exposure limit): Chlorine 1ppm

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

Respiratory protection: Respiratory protection not normally required.

Hand protection: Protective gloves.

Eye protection: Safety goggles.

Skin protection: Light overalls

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Colour: Colourless to pale yellow

Odour: Chlorine

Solubility in water: Soluble

Viscosity: Non-viscous

Boiling point/range°C: >100

Relative density: 1.01

pH: 9.5

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to avoid: Direct sunlight. High Temperatures.

Materials to avoid: Metals. Oxidising agents. Reducing agents. Acids. Bases. Should not be mixed with other chemicals.

Haz. decomp. products: In combustion emits toxic fumes.

11. TOXICOLOGICAL INFORMATION

Hazardous ingredients: SODIUM HYPOCHLORITE SOLUTION...100% CL ACTIVE
ORL MUS LD50 5800 mg/kg

12. ECOLOGICAL INFORMATION

Mobility: Soluble in water.

Persistence and degradability: Biodegradable.

Bioaccumulative potential: No bioaccumulation potential.

Other adverse effects: 1ppm available chlorine toxic to all fishes.

13. DISPOSAL CONSIDERATIONS

Disposal operations: Disposal should be done in accordance with official regulations. If material is dry, incineration is recommended.

Disposal of packaging: Rinse with water and dispose 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****IMDG / IMO****IATA / ICAO****15. REGULATORY INFORMATION**

Hazard symbols: No significant hazard.

Safety phrases: S2: Keep out of the reach of children.
S7: Keep container tightly closed.

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

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: 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.