

Safety Data Sheet (SDS)

Sanitising Tablets

1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

Product name Sanitising / Chlorine Tablets
Product Code SANIT0001
Company e-hygiene systems ltd
Address Murray Road Orpington BR5 3QY
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2. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENT

Hazardous ingredients	CAS	EINECS	Risk	Range
Troclosene (NaDCC)	2893-78-9	220-767-7	O; Xn; N R8,22,31,36/37,50,53	>50%
Adipic Acid	124-04-9	204-673-3	Xi; R36	10-25%

3. HAZARD IDENTIFICATION

Harmful if swallowed. Irritating to eyes and respiratory system. Contact with acid liberates toxic gas. NaDCC readily decomposes to Chlorine, Hypochlorous Acid and Cyanuric Acid.

4. FIRST AID MEASURES

Skin Contact: Immediately flush with plenty of clean water for at least 15 minutes. If irritation persists seek medical attention.

Eye Contact: Immediately flush with plenty of clean water for at least 15 minutes. Remove contaminated clothing. If irritation persists seek medical attention.

Ingestion: Wash out mouth with water. Do not induce vomiting. Drink plenty of water. Seek medical attention.

Inhalation: Move to fresh air. If irritation persists, seek medical attention.

5. FIRE FIGHTING MEASURES

Extinguishing media: Suitable Extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

Exposure hazards: Corrosive. In combustion emits toxic fumes.

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: Notify the police and fire brigade immediately. If outside keep bystanders upwind and away from danger point. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing – see section 8 for SDS. Turn leaking container 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: Clean-up should be dealt with only by qualified personnel familiar with the specific substance. 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 confined spaces. Avoid the formation or spread of dust in the air.

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Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed.

Suitable packaging: Must only be kept in original packaging.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

OEL: Sodium Hydroxide TWA 2 mg/m³ STEL 2 mg/m³

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

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Impermeable gloves.

Eye protection: Tightly fitting safety goggles. Ensure eye bath is to hand.

Skin protection: Impermeable protective clothing.

9. PHYSICAL/CHEMICAL PROPERTIES

State: Pearl / powder

Colour: White

Odour: None

Solubility in water: 100% Soluble

Density: 2.13 g/ml

Boiling Point: 1390°C

Melting Point: 318°C

Flammability: Not flammable

10. STABILITY & REACTIVITY

Stability: Stable under normal conditions, absorbs moisture and carbon dioxide.

Conditions to avoid: Excessive humidity

Materials to avoid: Acids, aluminium, zinc.

Hazardous products of decomposition: Produces hydrogen in contact with aluminium and zinc. Reacts violently with acids and chlorinated hydrocarbons. Produces heat when dissolved in water.

11. TOXICOLOGICAL INFORMATION

Hazardous ingredients: Sodium Hydroxide IPR MUS LD50 40 mg/kg, ORL RBT LDLO 500 mg/kg.

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

12. ECOLOGICAL INFORMATION

Mobility: Hygroscopic and very soluble.

Persistence and degradability: Can cause long term adverse effects on the aquatic environment.

Bioaccumulative potential: High pH values and sodium content has a potential to damage soil structure.

Other adverse effects:

13. DISPOSAL CONSIDERATIONS

NB. The user's attention is drawn to the existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION

ADR / RID: UN no. 1823. ADR class: 8.

Packing Group: II **Classification code:** C9

Shipping name: SODIUM HYDROXIDE

Labelling: 8 **Hazard ID:** 80

IMDG / IMO: UN no. 1760. Class: 8

Packing group: II **EmS:** F-A,S-B

Marine pollutant: Labelling: 8

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IATA / ICAO: UN no. 1760. Class 8
Packing group: II **Subsidiary risk:** 5.1
Packing instructions: 809(P&CA); 812(CAO)
Labelling: 8

15. REGULATORY INFORMATION

Hazard symbols: Corrosive.

Risk phrases: R35: Causes severe burns.

Safety phrases: S1/2: Keep locked out of children's reach. 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).

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 Section 2: R35: Causes severe burns.

PLEASE ENSURE THAT IT IS PASSED TO THE APPROPRIATE PERSON(S) IN YOUR COMPANY, WHO ARE CAPABLE OF ACTING ON THE INFORMATION.

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