

# Safety Data Sheet (SDS)

## Sterapipe 3002

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

Product Name Sterapipe 3002  
Product Code 3002

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### 2. COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENT

Hazardous Ingredient	CAS	EINECS	Risk	Range
Calgon	10361-03-2	233-343-1	None	1-10%
Sodium Hypochlorite (AC)	7681-52-9	231-668-3	C; R34 R31. N; R50	1-10%
Potassium Permanganate	7722-64-7	231-760-3	O; R8. Xn; R22 N; R50/53	<1%
Sodium Hydroxide	1310-73-2	215-185-5	C; R35	1-10%

### 3. HAZARD IDENTIFICATION

Causes Severe burns, Contact with acid liberates toxic gas (chlorine).

### 4. FIRST AID MEASURES

(Symptoms)

**Skin Contact:** Blistering may occur. Progressive ulceration will occur if treatment is not immediate.

**Eye Contact:** Corneal burns may occur. May cause permanent damage.

(Action)

**Skin Contact:** Remove all contaminated clothing and footwear immediately unless stuck to skin. Drench the affected area 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:** Bath eye with running water for 15 minutes. Transfer to hospital for specialist examination.

**Ingestion:** Wash out mouth with water. Do not induce vomiting. Give 1 cup of water to drink every 10 minutes. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious and breathing is OK, place in the recovery position. If unconscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

### 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 unauthorized personnel. Do not attempt

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to take action without suitable protective clothing – see section 8 of SDS. Turn leaking containers leak-side up to prevent escape of liquid.

**Environmental precautions:** Do NOT discharge into drains or rivers. Contain the spillage using bunding.

**Clean-up procedure:** Clean-up should be dealt with only by qualified personnel familiar with specific substance. Absorb into dry earth or sand. Transfer to closeable 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 mists in the air.

**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:** Calgon TWA log 393. Sodium Hydroxide TWA 2 mg/m<sup>3</sup> STEL 2 mg/m<sup>3</sup>

**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:** Liquid

**Colour:** Blue-purple

**Odour:** Characteristic odour

**Solubility in water:** Soluble

**Viscosity:** Non-viscous

## 10. STABILITY & REACTIVITY

**Stability:** Stable under normal conditions.

**Conditions to avoid:** Heat

**Materials to avoid:** Strong oxidizing agents, strong acids.

**Hazardous products of decomposition:** In combustion emits toxic fumes.

## 11. TOXICOLOGICAL INFORMATION

**Hazardous ingredients:** Sodium Hypochlorite Solution 100% AC ORL MUS LD50 5800 mg/kg. Potassium permanganate ORL MUS LD50 2157 mg/kg, ORL RAT LD50 1090 mg/kg. Sodium Hydroxide IPR MUS LD50 40 mg/kg, ORL RAT LD50 500 mg/kg.

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

## 12. ECOLOGICAL INFORMATION

**Mobility:** Readily absorbed into soil.

**Persistence and degradability:** Biodegradable.

**Bioaccumulative potential:** None.

**Other adverse effects:** Negligible ecotoxicity.

## 13. DISPOSAL CONSIDERATIONS

**Disposal of packaging:** Dispose of as normal industrial waste.

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

## 14. TRANSPORT INFORMATION

**ADR / RID:** UN no. 3093. ADR class: 8.

**Packing Group:** II      **Classification code:** CO1

**Shipping name:** CORROSIVE LIQUID, OXIDISING, N.O.S.

**Labelling:** 8+5.1      **Hazard ID:** 85

**IMDG / IMO:** UN no. 3093. Class: 8

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

**Marine pollutant:** **Labelling:** 8+5.1

**IATA / ICAO:** UN no. 3093. Class 8

**Packing group:** II **Subsidiary risk:** 5.1

**Packing instructions:** 809(P&CA); 813(CAO)

**Labelling:** 8+5.1

## 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.

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.

This data sheet does not constitute a user's assessment of workplace risk as required by HSW act, COSHH, management of health and safety at work regulations, or other health and safety legislation.

Actual label may not be as above if product was supplied some time previously or labelling is in transition period.

Applicable Regulation: Chemicals (Hazard Information and Packaging for Supply) Regulations 2002: CHIP 3

## 16. OTHER INFORMATION

**Risk phrases used in Section 2:** R31: Contact with acids liberates toxic gas. R34: Causes burns. R50: Very toxic to aquatic organisms. R8: Contact with combustible material may cause fire. R22: Harmful if swallowed. R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R35: Causes severe burns.

Unless otherwise stated all percentages are w/w

GLOSSARY:	PPE	Personal protective equipment
	N/A	Not applicable
	N/K	Not known
	OES	Occupational exposure limit
	TWA	Time weighted average
	w/v	Weight to volume
	w/w	Weight to weight

The data contained in this Safety Data Sheet has been supplied for the purpose of protecting the health and safety of industrial and commercial users who are deemed capable of understanding and acting on the information provided.

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

*The information contained in this document is based on information believed to be correct on the date of issue. No warranty or representation, expressed or implied, is made as to the accuracy or completeness of this information. The user assumes all liability for any damage or injury resulting from abnormal use, from the failure to adhere to recommended practices, or from hazards inherent in the nature of the product. In accordance with our policy of incorporating technical improvements, we reserve the*

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*right to amend any specification without notice.*