



## I. Product and Company Identification

### 1.1 Identification of the substance or preparation:

### **STERIPLUS CONCENTRATE**

1.2 Company Identification: Odour Control Systems Limited  
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## II. Composition/Information on Ingredients

2.1	Odour counteractant materials	non hazardous
	Stabilised chlorine dioxide solution	CAS No. 10049-04-4
	Non ionic surfactant	non hazardous
	Inert ingredients	non hazardous

## III. Hazards Identification

Potential health effects

3.1	Eye:	Modified draize test on albino rabbits: Mild ocular irritant.
3.2	Skin contact:	Modified draize test on albino rabbits: No dermal irritation on prolonged contact.
3.3	Ingestion:	Acute oral toxicity in albino rats: LD - 12.5 grams/kg; category III.
3.4	Inhalation:	Albino rats exposed to respirable aerosol made from a solution of stabilised material at levels of up to 2.8 mg/1 for one hour resulting in no deaths or gross pathology.

# MATERIAL SAFETY DATA SHEET

## 3.5 Acute, subacute and chronic (organs & systems) effects:

Acute, subacute and chronic toxicity tests in mice by oral feeding were performed with 5% stabilised chlorine dioxide in several dilutions.

### Conclusions:

Undiluted 5% stabilised chlorine dioxide was toxic to mice when fed 0.5ml directly by gavage.

Dilutions ranging from 1:10 to 1:240 were found to be non-toxic when fed by stomach trocar.

Chronic feeding tests by gavage and in drinking water of 5% stabilised chlorine dioxide solution was non-toxic.

During a continuous 90 day period mice were given 5% stabilised chlorine dioxide solution in the drinking water and ad libitum, freshly prepared daily as follows:

The first 51 days 1:24,000 5% stabilised chlorine dioxide and the last 39 days 1:2,400 5% stabilised chlorine dioxide. No untoward effects were noted.

### Carcinogenicity effects:

This mixture does not contain a component which is listed by the IARC or NTP as a potential carcinogen under OSHA standard 29 CFR 1910.1200.

## IV. First Aid Measures

### 4.1 Eye Contact:

Immediately flush eyes with water for at least 15 minutes. Seek medical advice if symptoms persist.

### 4.2 Skin Contact:

Wash off in flowing water or shower.

### 4.3 Inhalation:

Remove to fresh air. If not breathing, give mouth to mouth resuscitation. If breathing is difficult, give oxygen. Seek medical advice.

### 4.4 Ingestion by mouth:

Give large amounts of water and seek medical advice.

## V. Fire Fighting Measures

### 5.1 Flash point:

None

### 5.2 Flammable limits:

Solution will not burn in the presence of oxidisable material.

### 5.3 Extinguishing media:

Water or fog.

## VI. Accidental Release Measures

### 6.1 Methods of cleaning up:

Flush with water to dilute and wash down to foul drain.

# MATERIAL SAFETY DATA SHEET

## VII. Handling and Storage

- 7.1 Precautions during handling: Handle product with care and avoid contamination.
- 7.2 Precautions during storage  
Storage conditions: Store in a cool, clean, well ventilated area.  
Avoid temperature above 145°F and freezing conditions.  
Store away from any oxidising agent, reducing agent or any acid.

## VIII. Exposure Controls/Personal Protection

- 8.1 Special protective measures  
Skin protection: Work suit preferably made of PVC, neoprene, nitrile rubber.
- 8.2 Hand: Rubber or neoprene gloves.
- 8.3 Eye: Goggles.

## IX. Physical and Chemical Properties

- 9.1 Appearance: Clear Solution  
Odour: Typical  
Boiling Point: 214 F  
Vapour pressure: Similar to water  
Solubility in water: Completely soluble in all proportions.  
Specific gravity: 1.00

This information is given in good faith and is based on information and tests believed to be reliable. The suitability of this product for any particular use is not suggested or implied. This document is not a specification and properties shown are not guaranteed.

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Each recipient should carefully review this information, data and recommendations in this specific context of its intended use. This product should only be used according to the specific guidelines for use laid out in Odour Control Systems Limited publications. Use of these products is deemed to be acceptance of the above.

**Always READ material safety data sheet before use.**

## preserving the environment

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