



## I. Product and Company Identification

### 1.1 Identification of the substance or preparation:

### **OCS DI-OX™ 2000/1112 SPRAY FORMULATION**

### 1.2 Company Identification:

Odour Control Systems Limited  
33A Castle Close,  
Hawarden Industrial Park  
Manor Lane,  
Hawarden,  
Deeside.  
CH5 3PP.  
Tel: 01244 536700 Fax: 01244 535184

## II. Composition/Information on Ingredients

### 2.1 Chemical Composition:

Odour Countervailant materials	non hazardous
Stabilised Solution of Chlorine Dioxide	non toxic
Non Ionic Surfactant	non hazardous
Anionic Surfactant	non hazardous
Inert Ingredients	non hazardous
Water	

## III. Hazards Identification

### 3.1 Eyes:

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 62.5 grams/kg; category III

### 3.4 Inhalation:

Albino Rats exposed to a respirable aerosol made from a solution of stabilised material at levels of up to 2.8mg/1 for one hour resulted in no deaths or gross pathology.

# MATERIAL SAFETY DATA SHEET

Acute, Subacute and Chronic (Organs & Systems) effects: Acute subacute and chronic toxicity test in mice by oral feeding were performed with very much stronger stabilised chlorine dioxide solutions than Diox 2000 solution.

Conclusions:

- a) Non-toxic when fed by stomach trocar.
- (b) Chronic feeding tests by gavage and in drinking water was non-toxic.

Carcinogenicity:

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: Irrigate with water for at least 15 minutes. Call doctor if irritation persists.
- 4.2 Skin contact: Wash off in flowing water or shower.
- 4.3 Inhalation: Remove to fresh air. If breathing is difficult, give oxygen. Call a doctor.
- 4.4 Ingestion: Give large amounts of water and contact a doctor.

## V. Fire Fighting Measures

- 5.1 Flash Point: None.
- 5.2 Flammable Limited: Solution will not burn in the presence of oxidisable materials.
- 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.

## VII. Handling and Storage

- 7.1 Precautions During Storage:  
Storage Conditions: Storage in a cool area.  
Avoid temperatures above 145°F and freezing conditions.  
Store away from any oxidising agent, reducing agent or any acid.

## VIII. Exposure Controls/Personal Protection

- 8.1 Skin Protection: Clean body covering protection plus rubber or neoprene work gloves.
- 8.2 Eye Protection: Goggles are recommended.

# MATERIAL SAFETY DATA SHEET

## IX. Physical and Chemical Properties

9.1	Appearance:	Clear solution
9.2	Odour:	Typical
9.3	Boiling Point:	214°F
9.4	Vapour Pressure:	Similar to water
9.5	Solubility in water:	Completely soluble in all proportions
9.6	Specific Gravity:	1.00

## X. Stability and Reactivity

10.1	Stability:	<p>Persnickety DIOX 2000 is a stabilised solution of chlorine dioxide and is safe for use as intended. Contamination with other materials such as acids, chlorine, organic chemicals etc., may cause a chemical reaction, resulting in evolution of Chlorine Dioxide gases and heat.</p> <p>Explosion and/or fire could result. Chlorine dioxide gas is toxic. Keep all chemical and foreign materials away from this solution. Avoid temperatures above 145 F, ultraviolet light, evaporation to dryness.</p>
10.2	Incompatibility:	<p>The stabilised chlorine dioxide solution in DIOX 2000 concentrate is an oxidising agent and should be kept away from acids, organic materials, reducing agents, oxidising agents and chlorine donors.</p> <p>Contact with any of the above materials, reducing agents oxidising agents &amp; chlorine donors may release free chlorine dioxide gas which is very toxic. Do not allow DIOX 2000 concentrate to dry on clothes due to danger of fire due to oxidation.</p>

## XI. Toxicological Information

11.1	Acute Toxicity	No Data
11.2	Local Effects	Skin Contact: May be irritating to skin on prolonged contact Eyes: Mild irritant to eyes
11.3	Sensitisation	No Data
11.4	Chronic Toxicity	Non Toxic
11.5	Carcinogenicity	No carcinogenic potential is known

## XII. Biological Information

12.1	Mobility:	Will disperse through aqueous systems.
12.2	Persistence and Degradability:	Will degrade.
12.3	Bioaccumulative Potential:	Not known.

# MATERIAL SAFETY DATA SHEET

## XIII. Disposal Considerations

- 13.1 Disposal of product: Dilute to foul drain.
- 13.2 Packaging Rinse empty containers before disposal.

## XIII. Transport Information

- 13.1 UN No: N/A
- 13.2 UK Road: Non Hazardous Substance
- 13.3 Spillage: Dilute with water and flush to drain

## XIV. Regulatory Information

- 14.1 Not Applicable

## XV. Other Information

- 15.1 Recommended Uses: Industrial Odour Control Compound. This product is supplied in concentrated form, and is designed to be diluted with water (to make 1 – 2% solution). It is designed as an odour neutraliser for use via spray atomisation to the atmosphere.

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.

Information on this form is furnished in compliance with current legislation. It is the responsibility of the recipient to pass on this information to relevant departments/persons involved. Odour Control Systems Limited assumes no responsibility for injury of death and/or third persons, however caused. The user bailee and their respective employees and agents assume all such risks if reasonable safety procedures are not adhered to.

In addition, Odour Control Systems Limited assumes no responsibility for injury or death to the recipient of this material or third persons, or for any loss or damage to property, or for any consequential damage resulting from any abnormal use or theft of the material, and the user, owner, bailee and their respective employees and agents assume all such risks even when caused by negligence, omission, default or error in judgement of Odour Control Systems Limited or its agents.

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

Odor Control Systems Ltd  
33a Castle Close, Manor Lane  
Hawarden Industrial Park  
Hawarden, Flintshire CH5 3QX

Phone: +44 (0)1244 536700  
Fax: +44 (0)1244 535184  
E-mail: [mail@odourcontrolsystems.ltd.uk](mailto:mail@odourcontrolsystems.ltd.uk)  
Web: [www.odourcontrolsystems.ltd.uk](http://www.odourcontrolsystems.ltd.uk)



Certificate No. 7174

