



I. Product and Company Identification

1.1 Identification of the substance or preparation:

OCS DI-OX™ 50

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: Activated Solution of Chlorine Dioxide - non toxic

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 restorable 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.

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.

MATERIAL SAFETY DATA SHEET

IV. First Aid Measures

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| 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

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| 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

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| 6.1 | Methods of Cleaning Up: | Flush with water to dilute and wash down to foul drain. |
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VII. Handling and Storage

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| 7.1 | Precautions During Storage: | Storage in a cool area in closed container. Avoid temperatures above 145°F and freezing conditions. Store away from any oxidising agent, reducing agent or any acid. Has a limited shelf life of up to 2 weeks in closed containers |
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VIII. Exposure Controls/Personal Protection

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

IX. Physical and Chemical Properties

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| 9.1 | Appearance: | Clear yellow 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 |

continued overleaf >>>

MATERIAL SAFETY DATA SHEET

X. Stability and Reactivity

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| 10.1 Stability | Will degrade under u-v conditions. |
| 10.2 Incompatibility: | This chlorine dioxide solution is an oxidising agent and should be kept away from acids, organic materials, reducing agents, oxidising agents and chlorine donors. Contact with any of the above materials, reducing agents, oxidising agents and chlorine donors may release free chlorine dioxide gas, which is very toxic. Do not allow concentrate to dry on clothes due to danger of fire due to oxidation. |

XI. Activation - Not Applicable

XII. Biological Information

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|------------------------------------|---------------------------------------|
| 12.1 Mobility | Will disperse through aqueous systems |
| 12.2 Persistence and Degradability | Will degrade |
| 12.3 Bio-Accumulative Potential | Not Known |

XIII. Disposal Considerations

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| 13.1 Disposal of Product | Dilute to foul drain. |
| 13.2 Packaging | Rinse empty containers before disposal. |

XIV. Transport Information

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|---------------|--------------------------------------|
| 14.1 UN No.: | N/A |
| 14.2 UK Road | Oxidiser and Corrosive. |
| 14.3 Spillage | Dilute with water and flush to drain |

XV. Regulatory Information - Not Applicable

XVI. Other Information

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| 17.1 Recommended uses: | Industrial Odour Control Compound and Biocide. |
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MATERIAL SAFETY DATA SHEET

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.

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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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