

## I. Product and Company Identification

### 1.1 Identification of the substance or preparation:

### PURIFICO C

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:

Perfume/Fragrance materials	non hazardous
Odour Counteractant materials	non hazardous
Non Ionic Surfactant	non hazardous
Chlorine Dioxide (C102)	CAS No. 10049-04-4
Inert Ingredients	non hazardous
Water	

## III. Hazards Identification

3.1 Eyes: Modified Draize Test on Albino Rabbits: Mild ocular irritant.

Skin Contact: Modified Draize Test on Albino Rabbits:  
No dermal Irritation on prolonged contact.

Ingestion: Acute Oral Toxicity in Albino Rats LD 12.5 grams/kg category III

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.

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.

# MATERIAL SAFETY DATA SHEET

- Conclusions:
- (a) Undiluted 5% stabilised chlorine dioxide was toxic to mice when fed 0.5ml directly by gavage.
  - (b) Dilutions ranging from 1:10 to 1:240 were found to be non-toxic when fed by stomach trocar.
  - (c) 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: 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 not breathing, give mouth to mouth resuscitation. 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. Do not allow contact with rags, paper or other oxidisable materials.

## 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

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## VIII. Exposure Controls/Personal Protection

- 8.1 Skin Protection: Clean body covering protection plus rubber or neoprene work gloves.
- Eye Protection: Use safety glasses. Where contact with appreciable quantities of this material is possible, use safety goggles.

## 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. Toxicological Information

- 10.1 Acute Toxicity No Data
- 10.2 Local Effects Skin Contact: May be irritating to skin on prolonged contact.  
Eyes: Mild irritant to eyes
- 10.3 Sensitisation No Data
- 10.4 Chronic Toxicity Non Toxic
- 10.5 Carcinogenicity No carcinogenic potential known

## XI. Biological Information

- 11.1 Mobility: Will disperse through aqueous systems.
- 11.2 Persistence and Degradability: Will degrade.
- 11.3 Bioaccumulative Potential: Not known.

## XII. Disposal Considerations

- 12.1 Disposal of product: Dilute to foul drain
- 12.2 Disposal of packaging: Rinse empty containers thoroughly before disposal

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## 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

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