

MATERIAL SAFETY DATA SHEET

MilliCare™ Odor Neutralizer

According to 2001/58/EC

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: MilliCare™ Odor Neutralizer

Company Identification

Sylvan Chemical Co., Inc.
La Grange, Georgia 30240 USA
1-888-886-2273 (For questions and emergencies)
1-800-424-9300 or 1-703-527-3887 (CHEMTREC)

PRODUCT USE:

Cleaner.

2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT LISTING:

Chemical Name	Amount	CAS Number	EU Annex 1
WATER	> 98.0 %	7732-18-5	Not Listed
PRPRIETARY NON-HAZARDOUS STABILIZER	1.0 %		Not Listed
CHLORINE DIOXIDE	< 0.9 %	10049-04-4	O, T, T+, N - R6, R8, R26, R34, R50

EMERGENCY OVERVIEW:

The health hazards of this product should be low under normal industrial and commercial uses. May cause skin, eye, or respiratory tract irritation. May be harmful if swallowed.

HFRP Rating:

Health - 1
Flammability - 0
Reactivity - 0
Personal Protection Index - B

NFPA/HFRP Definitions: (0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or an internally derived Milliken system (for HFRP ratings).

EYE:

May cause eye irritation. Not known to cause permanent injury to eye tissue.

SKIN:

Prolonged or repeated skin contact may cause irritation.

INHALATION:

No information regarding inhalation available.



INGESTION:

May be harmful if swallowed. No hazards expected in normal use.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

The health hazards of this product should be low under normal industrial and commercial uses. May cause skin, eye, or respiratory tract irritation. May be harmful if swallowed.

HFRP Rating:

Health - 1
Flammability - 0
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EYE:

May cause eye irritation. Not known to cause permanent injury to eye tissue.

SKIN:

Prolonged or repeated skin contact may cause irritation.

INHALATION:

No information regarding inhalation available.

INGESTION:

May be harmful if swallowed. No hazards expected in normal use.

4. FIRST AID MEASURES

EYE CONTACT FIRST AID:

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists.

SKIN CONTACT FIRST AID:

Wash affected area with large amounts of soap and water. Get medical attention if irritation develops or persists.

INHALATION FIRST AID:

Although this product is not known to cause respiratory problems, if breathing is difficult, remove to fresh air and provide oxygen. Get medical attention if cough or other symptoms develop.

INGESTION FIRST AID:

If swallowed, immediately give 2 glasses of water. Contact a physician. Never give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

COC Flash Point: N/A

Autoignition Temperature: N/A

FLAMMABLE LIMITS IN AIR

LEL: %



UEL: %

EXTINGUISHING MEDIA:

Water, carbon dioxide, foam or dry powder. Use water spray to cool fire exposed containers.

FIRE & EXPLOSION HAZARDS:

No known unusual hazards in a fire/explosion situation.

FIRE FIGHTING INSTRUCTIONS:

As in any fire, wear self-contained breathing apparatus pressure-demand MSHA/NIOSH (approved or equivalent) and full protective gear. Evacuate non-emergency personnel to a safe area. Contain runoff water.

6. ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURE:

Clean up area by absorbent material. All waste materials should be packaged, labeled, and transported in accordance with all national, state/provincial, and local requirements.

INITIAL CONTAINMENT:

Contain spilled material. All waste materials should be packaged, labeled and transported in accordance with all national, state/provincial, and local requirements.

7. HANDLING AND STORAGE

RECOMMENDED STORAGE TEMPERATURE

Minimum: 0.0 C (32.0 F)

Maximum: 48.9 C (120.0 F)

HANDLING (PERSONNEL):

Avoid prolonged contact with skin or eyes. Wash hands thoroughly after handling.

STORAGE PRECAUTIONS:

Keep container tightly closed. Avoid extreme temperatures. Avoid contact with Acidic conditions.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

ENGINEERING CONTROLS:

Good general ventilation should be sufficient to control airborne levels.

EYE / FACE PROTECTION REQUIREMENTS:

Where contact with this material is likely, chemical goggles are recommended.

SKIN PROTECTION REQUIREMENTS:

When prolonged or frequently repeated contact could occur, use protective clothing impervious to this material.

RESPIRATORY PROTECTION REQUIREMENTS:

Under normal use conditions, with adequate ventilation, no special respiratory protective equipment is required.

EXPOSURE GUIDELINES:

CHLORINE DIOXIDE

OSHA PEL: .1 ppm, .3 mg/m³

OSHA TWA: .1 ppm, .3 mg/m³

OSHA STEL: .3 ppm



9. PHYSICAL AND CHEMICAL PROPERTIES

FORM:	Liquid
COLOR:	Colorless
ODOR:	Faint Odor
BOILING POINT:	212 F
VAPOR PRESSURE:	<30 Kg/cm ²
VAPOR DENSITY:	<1 (Air = 1)
SOLUBILITY IN WATER:	Complete
SPECIFIC GRAVITY:	1.05 (Water = 1)
MELTING/FREEZING POINT:	32 F
PH:	Approx. 9.0
% VOLATILES:	100 %
VOLATILE ORGANIC COMPOUNDS (VOC):	0

10. STABILITY AND REACTIVITY

STABILITY:

This product is stable at ambient conditions.

POLYMERIZATION:

Hazardous polymerization will not occur.

INCOMPATIBILITY WITH OTHER MATERIALS:

Avoid contact with Acidic conditions.

DECOMPOSITION:

Decomposition will not occur if handled and stored properly.

11. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL TESTING:

The acute oral toxicity (LD50) in rats for this material was determined to be 1.55 grams/kg.

12. ECOLOGICAL INFORMATION

No information available.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

All waste materials should be packaged, labeled and transported in accordance with all national, state/provincial, and local requirements. Uncleaned empty containers should be disposed of in the same manner as the contents.

14. TRANSPORT INFORMATION

PRODUCT LABEL:	MilliCare™ Odor Neutralizer
D.O.T. SHIPPING NAME:	Not Regulated
D.O.T. HAZARD CLASS:	Not Regulated
D.O.T. LABEL:	Non Hazardous



15. REGULATORY INFORMATION

CHEMICAL INVENTORY INFORMATION:

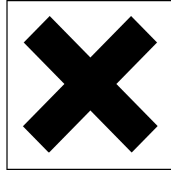
This material or all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substance Control Act (TSCA).

WHMIS Hazard Symbols:

None

EEC Symbols and Indications of Danger:

Harmful (Xn)



R-Phrases:

R22 - Harmful if swallowed.

S-Phrases:

S37/39 - Wear suitable gloves and eye/face protection.

S46 - If swallowed, seek medical advice immediately and show this container or label.

Clean Air Act - Section 112

CHLORINE DIOXIDE (10049-04-4)

Title V

CHLORINE DIOXIDE (10049-04-4)

Massachusetts Substance List

CHLORINE DIOXIDE (10049-04-4)

NJ Right to Know List

CHLORINE DIOXIDE (10049-04-4)

PA Hazardous Substance List

CHLORINE DIOXIDE (10049-04-4)

16. OTHER INFORMATION

REASON FOR ISSUE:	New MSDS
PREPARED BY:	Steven Brown
APPROVED BY:	Steven Brown
TITLE:	Senior Development Chemist
APPROVAL DATE:	April 16, 2004
SUPERCEDES DATE:	December 11, 2000

Annex 1 Risk Phrases Referenced In Ingredient List:

R26 - Very toxic by inhalation.

R34 - Causes burns.

R50 - Very toxic to aquatic organisms.

R8 - Contact with combustible material may cause fire.

R6 - Explosive with or without contact with air.



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END OF MSDS

