



CloSure® Chlorine Dioxide Solution (750 ppm, 0.075%)

Revision: 2024-07-31

Version: 01.0

1. IDENTIFICATION

Product name: CloSure®
Chlorine Dioxide Solution (750 ppm, 0.075%)
SDS #: MS0800614
Recommended use: • NOTICE: THIS MSDS APPLIES ONLY TO THE STATED USE DILUTION. FOR HAZARDS OF CONCENTRATE SEE PRIMARY PRODUCT MSDS.
• This product is intended to be diluted prior to use
• Industrial/Institutional
• Food Processing
• Chlorine Dioxide Generation Solution
Uses advised against: Uses other than those identified are not recommended

Manufacturer, importer, supplier:
US Headquarters
Diversey
8215 Forest Point Blvd.
Charlotte, NC 28273-5509
Phone: 1-888-352-2249
SDS Internet Address: <https://sds.diversey.com>

Canadian Headquarters
Diversey - Canada, Inc.
3755 Laird Road
Mississauga, Ontario L5L 0B3
Phone: 1-800-668-7171

Emergency telephone number: 1-800-851-7145; 1-651-917-6133 (Int'l)

2. HAZARDS IDENTIFICATION

Classification for the undiluted product

Acute toxicity, inhalation, Category 1



Signal word: Danger.

Hazard Statements

FATAL IF INHALED.

Precautionary Statements

Use only in a well-ventilated area. In case of inadequate ventilation wear respiratory protection. Immediately call a Poison Center (1-800-851-7145) or physician. Store in a well-ventilated place. Keep container tightly closed. Store locked up. Dispose of in accordance with all federal, state and local applicable regulations.

Health hazards not otherwise classified (HHNOC) - Not applicable

Physical hazards not otherwise classified (PHNOC) - Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

Classified Ingredients

Ingredient(s)	CAS #	Weight %
Chlorine dioxide	10049-04-4	< 0.1%

4. FIRST AID MEASURES

Undiluted Product:

Eyes: Rinse with plenty of water. If irritation occurs and persists, get medical attention.

Inhalation: IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical attention immediately.

Ingestion: Rinse mouth with water.

Most Important Symptoms/Effects: No information available.

Immediate medical attention and special treatment needed Not applicable.

Aggravated Medical Conditions: Persons with pre-existing skin disorders may be more susceptible to irritating effects, Persons with pre-existing respiratory conditions should be particularly careful about possible respiratory effects.

5. FIRE-FIGHTING MEASURES

Specific methods:

No special methods required

Suitable extinguishing media:

The product is not flammable. Extinguish fire using agent suitable for surrounding fire.

Specific hazards:

None known.

Special protective equipment for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Extinguishing media which must not be used for safety reasons: No information available.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Put on appropriate personal protective equipment (see Section 8.). Do not breathe dust or vapour. Wear self-contained breathing apparatus when entering area unless atmosphere is proved to be safe. Use of chlorine dioxide monitors is recommended.

Environmental precautions and clean-up methods:

Clean-up methods - large spillage. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Use a water rinse for final clean-up.

7. HANDLING AND STORAGE

Handling: Do not breathe gas.

Storage: Keep this product dry in original tightly closed container when not in use. Store in well-ventilated area. Store locked up.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines:

Ingredient(s)	ACGIH	OSHA
Chlorine dioxide	0.1 ppm (Ceiling)	0.1 ppm (TWA) 0.3 mg/m ³ (TWA)

Undiluted Product:

Engineering measures to reduce exposure:

Use only in well-ventilated areas. In case of insufficient ventilation wear suitable respiratory equipment.

Personal Protective Equipment

It is the responsibility of the employer to determine the potential risk of exposure to hazardous chemicals for employees in the workplace in order to determine the necessity, selection, and use of personal protective equipment.

Eye protection:

No personal protective equipment required under normal use conditions.

Hand protection:

No personal protective equipment required under normal use conditions.

Skin and body protection:

No personal protective equipment required under normal use conditions.

Respiratory protection:

In case of insufficient ventilation wear suitable respiratory equipment. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use. Use of chlorine dioxide monitoring equipment whenever handling this material is recommended.

Hygiene measures:

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State Liquid

Evaporation Rate: No information available

Odor threshold: No information available.

Melting point/freezing point (°C): Not determined

Autoignition temperature: No information available

Solubility in other solvents: No information available

Density: 1.00 Kg/L

Bulk density: NA

Flash point (°F): > 200 °F > 93 °C

Kinematic viscosity No information available

VOC: 0 % *

Flammability (Solid or Gas): Not applicable

Sustained combustion: Not applicable

Explosion limits: - upper: Not determined - lower: Not determined

Color: Clear , Colorless

Odor: Slight Chlorine

Boiling point/range: Not determined

Decomposition temperature: Not determined

Solubility: Completely Soluble

Relative Density (relative to water): 1.00

Vapor density: No information available

Vapor pressure: No information available.

Partition coefficient (n-octanol/water): No information available

Elemental Phosphorus: 0 % by wt.

pH: ≈ 9.5

Corrosion to metals: Not corrosive to metals

* - Title 17, California Code of Regulations, Division 3, Chapter 1, Subchapter 8.5, Article 2, Consumer Products, Sections 94508

10. STABILITY AND REACTIVITY

Reactivity:

Not Applicable

Stability:

Stable at normal conditions

Possibility of hazardous reactions:

None known

Hazardous decomposition products:

None reasonably foreseeable.

Materials to avoid:

Do not mix with any other product or chemical unless specified in the use directions.

Conditions to avoid:

No information available.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Inhalation

Delayed, immediate, or chronic effects and symptoms from short and long-term exposure

Skin contact: Unlikely to be irritant in normal use.

Eye contact: May be mildly irritating to eyes.

Ingestion: No information available.

Inhalation: Fatal if inhaled. Chlorine dioxide gas is a respiratory irritant. Severe exposure may cause pulmonary edema and other acute damage to lungs, including in severe cases death. Repeated exposures at lower levels may cause chronic respiratory effects such as irritant-induced asthma.

Sensitization: No known effects.

Target Organs (SE): None known

Target Organs (RE):

Numerical measures of toxicity

12. ECOLOGICAL INFORMATION

Ecotoxicity: No information available.

Persistence and Degradability: No information available.

Bioaccumulation: No information available.

Mobility: No information available.

Other adverse effects No other adverse effects known.

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products (undiluted product): This product, as sold, if discarded or disposed, is not a hazardous waste according to Federal regulations (40 CFR 261). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the waste solution meets RCRA criteria for hazardous waste. Dispose in compliance with all Federal, state, provincial, and local laws and regulations.

RCRA Hazard Class (undiluted product): Not Regulated

Contaminated Packaging: Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT/TDG/IMDG: Not Applicable

DOT (Ground) Bill of Lading Description: DO NOT SHIP

IMDG (Ocean) Bill of Lading Description: Do Not Ship

15. REGULATORY INFORMATION

International Inventories at CAS# Level

TSCA

All components are listed or otherwise exempt

US RIGHT TO KNOW (RTK)

CERCLA/ SARA

Ingredient(s)	CAS #	Weight %	CERCLA/SARA RQ (lbs)	Section 302 TPQ (lbs)	Section 313
Chlorine dioxide	10049-04-4	< 0.1%			X

CAA HAP/CAA ODS/CWA Priority Pollutants: None

Canadian Regulations

Ingredient(s)	CAS #	NPRI
Chlorine dioxide	10049-04-4	X

16. OTHER INFORMATION

NFPA (National Fire Protection Association)

Rating Scale: (Low Hazard) 0 - 4 (Extreme Hazard)

Health 4

Flammability 0

Instability 0

Special Hazards -

Revision: 2024-07-31

Version: 01.0

Reason for revision:

Not applicable

Prepared by:

North American Regulatory Affairs

Additional advice:

• Does not contain an added fragrance

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