
MATERIAL SAFETY DATA SHEET

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Revised 2/02/04

Replaces 10/08/03

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0.05% CHLORINE DIOXIDE SOLUTION

MSDS ID: CL020.05%

I. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: 0.05% CHLORINE DIOXIDE SOLUTION

Product Descriptor: CHLORINE DIOXIDE SOLUTION

MANUFACTURER: JOHNSON DIVERSEY, INC.

EMERGENCY PHONE NUMBER: (800) 851-7145

3630 E. KEMPER ROAD

CINCINNATI, OH. 45241

II. HAZARDOUS COMPONENTS

Component Name	CAS Number	%	Exposure Limits	Units
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NONE

III. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

CAUTION: May be mildly irritating to eyes.

POSSIBLE ROUTES OF ENTRY: Eye contact. Skin contact. Inhalation.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

ACUTE: EYES: May be mildly irritating to eyes. SKIN: None known.

INGESTION: None known. INHALATION: None known.

CHRONIC: None known

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: NONE KNOWN.

TARGET ORGAN(S) OF CHEMICAL HAZARD(S): Eyes

IV. FIRST AID MEASURES

EYES: Flush immediately with plenty of water. Get medical attention if irritation occurs.

SKIN: Rinse with plenty of water.

INGESTION: No special requirements.

INHALATION: No special requirements.

V. FIRE FIGHTING MEASURES

FLASH POINT (degrees F): NONE

FLAME EXTENSION: N/A

FLAMMABLE LIMITS IN AIR BY VOLUME:

LEL: N/E

UEL: N/E

UNUSUAL FIRE OR EXPLOSIVE HAZARDS: None known.

EXTINGUISHING MEDIA: Water, water spray, CO2, foam or dry powder.

FIRE FIGHTING INSTRUCTIONS: Wear full protective gear and positive pressure breathing apparatus (SCBA) in fire area.

SPECIAL INSTRUCTIONS: Spilled product may cause slippery surface and fall hazard.

VI. ACCIDENTAL RELEASE MEASURES

IF MATERIAL IS RELEASED OR SPILLED:

Flush small amounts to drain. Collect and return large amounts to container.

This product does not contain a reportable quantity (RQ) under CERCLA.

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VII. HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS: Avoid contact with eyes. FOR COMMERCIAL & INDUSTRIAL USE ONLY Protect from freezing. Store in a dry, cool and well-ventilated area. KEEP OUT OF REACH OF CHILDREN.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE/FACE PROTECTION: No special requirements under normal use conditions.

PROTECTIVE GLOVES: No special requirements under normal use conditions.

RESPIRATORY PROTECTION: No special requirements under normal use conditions.

OTHER PROTECTIVE CLOTHING/EQUIPMENT: No special protective clothing is required.

ENGINEERING CONTROLS:

VENTILATION: No special ventilation requirements. General room ventilation is adequate.

IX. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Clear yellow to green liquid, chlorine odor.

BOILING POINT (DEG F): NONE

FREEZING POINT: 32 F

SPECIFIC GRAVITY/BULK DENSITY: 1.00

pH: 2.5

pH 1% SOLUTION: N/D

VOLATILE BY VOLUME: >99

SOLUBILITY IN WATER: Soluble

VAPOR PRESSURE(mmHg): 17.5 at 20 C

VAPOR DENSITY: 17.3

X. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Product stable.

INCOMPATIBILITY WITH OTHER MATERIALS: Ammonia

HAZARDOUS DECOMPOSITION PRODUCTS: None known.

HAZARDOUS POLYMERIZATION: None known.

XI. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL TESTING: No data available.

TOXICITY TEST DATA:

No data available.

XII. ECOLOGICAL INFORMATION

ECOTOXICITY TEST DATA:

No data available.

ENVIRONMENTAL FATE: No data available.

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XIII. DISPOSAL CONSIDERATIONS

RCRA REGULATED: Not Regulated.
Discharge diluted product to industrial sewer in accordance with discharge permit or local POTW regulations. Use product in container until empty. Rinse container with water. Recycle or dispose of container according to product labeling or governmental regulations.

XIV. TRANSPORT INFORMATION

Please refer to the Bill of Lading/receiving documents for up to date shipping information.

XV. REGULATORY INFORMATION

U.S. Federal Regulations:

TSCA: All ingredients in this product are on TSCA inventory.

HAPS: NONE

VOC CONTENT (EPA Method 24A): % VOC: 0 Lb/Gal VOC: 0

CERCLA/EPCRA:

Section 313 Toxic Chemicals:

NONE

SARA Section 311/312:

ACUTE:NO CHRONIC:NO FIRE:NO REACTIVITY:NO

SUDDEN RELEASE OF PRESSURE:NO

LISTED CARCINOGEN: None

NTP: NO IARC: NO OSHA: NO

HMIS RATINGS: HEALTH: 1 FIRE: 0 REACTIVITY: 0

PERSONAL PROTECTIVE EQUIPMENT:

NFPA RATING: HEALTH: 1 FIRE: 0 REACTIVITY:0 SPECIAL:NONE

STATE RIGHT-TO-KNOW INFORMATION:

WATER - CAS# 7732-18-5

CALIFORNIA PROPOSITION 65:

None of the ingredients are on the California proposition 65 list.

XVI. OTHER INFORMATION

DISCLAIMER: The information contained in this material safety data sheet is based on the knowledge of this specific product and current national legislation. It applies to the product as sold, use dilutions may be less hazardous. It may not be valid for this material if used in combination with any other materials or in a process. It is the user's responsibility to evaluate the handling, and use.