



Guardian Laboratories

a division of UNITED-GUARDIAN, INC.

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MATERIAL SAFETY DATA SHEET

**CALL FOR
THE LATEST
VERSION OF
THIS MSDS**

REPLACES:

NEW

WRITTEN BY: J. Vernice

DATE: 13-Apr-07 **SIGNATURE**

1. IDENTIFICATION OF THE MATERIAL AND THE PRODUCER

COMMERCIAL NAME: Chlorine Dioxide Spray Gel

CHEMICAL NAME: Water (7732-18-5), Sodium Chlorite (7758-19-2)
(CAS No:)

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2. COMPOSITION / INFORMATION OF THE INGREDIENTS

HAZARDOUS MATERIALS: Sodium Chlorite (<0.25%)

3. IDENTIFICATION OF THE DANGERS

INHALATION May be irritating to mucous membranes and lung tissue

SKIN: May cause burns, irritation, redness, and/or swelling

EYES: May be irritating and corrosive

INTAKE: May cause anemia

4. FIRST AID MEASURES

INHALATION: Move patient to fresh air and monitor for respiratory distress. If cough or difficulty in breathing develops, administer oxygen, and consult a physician immediately. In the event that breathing stops, administer artificial respiration and obtain emergency medical assistance immediately.

SKIN: Remove contaminated clothing. Immediately flush exposed skin areas with large amounts of water for at least 15 minutes. Consult a physician if burning or irritation of the skin persists. Contaminated clothing must be laundered before re-use.

EYES: Immediately flush eyes with large amounts of water for at least 15 minutes while frequently lifting the upper and lower eyelids. Consult a physician immediately.

INTAKE: DO NOT induce vomiting. Drink large quantities of water. Consult a physician immediately. DO NOT give anything by mouth if the person is unconscious or having seizures.

BURNS: Wash area with copious amounts of cold water.

5. MEASURES IN CASE OF FIRE

EXTINGUISHING MEDIA:

WATER: X

FOAM: X

CO2: X

DRY CHEMICAL: X

UNUSUAL HAZARDS: This product becomes a fire or explosion hazard if allowed to dry. Flood area aggressively.

SPECIAL PROCEDURES: Approach fire from upwind to avoid hazardous vapors and toxic decomposition products.

LEL: Not Established

UEL: Not Established

6. MEASURES IN CASE OF ACCIDENTAL LEAK

SPILL PROCEDURES: Mop up or absorb small spills with clay. Place into properly labeled hazmat containers. Evacuation procedures must be placed into effect. Evacuate all non-essential personnel. Hazardous concentrations in air may be found in local spill area and immediately downwind. Utilize emergency response personal protective equipment prior to the start of any response. This product may represent an explosion hazard, in the form of explosive chlorine dioxide

7. HANDLING AND STOCKING

HANDLING PROCEDURES: Do not get in eyes, or on skin, or clothing. Do not taste or swallow. Do not handle with bare hands. Use only thoroughly clean, dry utensils when handling. Avoid breathing fumes. This product becomes a fire hazard if allowed to dry. Remove and wash contaminated clothing to avoid fire.

INCOMPATIBILITY: Acids, chlorine, hypochlorites, chloroisocyanurates

8. CONTROL TO EXPOSURE / INDIVIDUAL PROTECTION

VENTILATION: Use local exhaust ventilation.

RESPIRATORY PROTECTION: Wear appropriate respirator or SCBA.

EYE PROTECTION: Splash-proof goggles or face shield.

GLOVES: Wear neoprene gloves, aprons, boots.

OTHER PROTECTION: Safety eye wash and showers should be available.

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM: Gel

pH: 9.0

COLOR: Colorless to slight yellow

ODOR: Mild Chlorine-like

CHANGE IN PHYSICAL STATE: None

VISCOSITY: 10,000 cps

SOLUBILITY: Water

DENSITY: 1.0 gm/cc

BULK DENSITY: 8.345 lbs/gal

FLASH POINT: NA

IGNITION: NA

EXPLOSION LIMITS: NA

VAPOR PRESSURE: That of water

10. STABILITY AND REACTIVITY

STABILITY: Stable in original form.

CONDITIONS TO AVOID: Acids, chlorine, hypochlorites, chloroisocyanurate

INCOMPATIBILITY: Acids, chlorine, hypochlorites, chloroisocyanurates

HAZARDOUS DECOMPOSITION PRODUCT Chlorine Dioxide gas

HAZARDOUS POLYMERIZATION: WILL OCCUR: WILL NOT OCCUR: X

11. TOXICOLOGICAL INFORMATION

TLV: Not Established

PEL: Not Established

EFFECTS OF OVEREXPOSURE: Anemia, lung damage may occur.

TOXICITY: LD50 (dermal) > 2gm/kg (rabbits)

CARCINOGEN STATUS: Not listed as a carcinogen

12. ECOLOGICAL INFORMATION

DEGRADATION: Chlorine Dioxide and eventually, sodium chloride

AQUATIC TOXICITY: 50 mg/L (rainbow trout)

13. CONSIDERATION ON DISPOSAL

DISPOSAL PROCEDURES: Consult local, state and federal regulatory agencies.

14. TRANSPORT INFORMATION

GGVSee/IMDG CODE:: NR

UN No: NR

GGVE/GGVS: NR

ICAO/IATA-DGR: NR

RID/ADR: NR

ADNR: NR

DOT CLASSIFICATION:

HAZARDOUS MATERIAL ID:

15. INFORMATION ON CURRENT REGULATIONS

HAZARD SYMBOL: None

R-PHRASES:

S-PHRASES:

HMIS RATING:	Health:	0	HMIS RATINGS:	
	Flammability:	0	0 - MINIMAL	3 - SERIOUS
	Reactivity:	0	1 - SLIGHT	4 - SEVERE
			2 - MODERATE	

16. OTHER INFORMATION

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LEGEND:

ND - NOT DETERMINED
NA - NOT APPLICABLE