

BioClenz

FRONTIER PHARMACEUTICAL, INC.
10 PONDEROSA DRIVE
MELVILLE, NY 11747
TEL: (631) 367-3400 / FAX: (631) 692-7642

Material Safety Data Sheet (MSDS)

MSDS No. B-01
Emergency Phone: (631) 367-3400

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Section I – Identification

Product: BioClenz Liquid (Formerly DioxiClear) – Part (A)
Synonyms: sodium chlorite and chlorous acid, sodium salt
Chemical: oxidant salt
CAS No.: 7758-19-2

Section II – Hazardous Ingredients

Not Applicable (NA)

Section III – Physical Data

Boiling Point at 1 ATM.: 100.1°C
Evaporation Rate: similar to water
Vapor Pressure: 23.7 mm Hg @25°C
Specific Gravity: 1.044 @ 25°C
Vapor Density (AIR): NA
pH @ 25°C: 12.6-13.2
Appearance: colorless liquid
Water Solubility: complete

Section IV – Fire & Explosion Data

Flash Point & Method: NA
Auto Ignition Temp.: NA. If solution is allowed to dry, friction may cause ignition and fire.
Flammability Limit (AIR): NA
Liberation of ClO₂ gas: Flush area with large amounts of air to keep the concentration below 1%. Leave immediate area for a few minutes.
Special Fire-Fighting procedure: none
Extinguishing Media: The solution will not burn. Use water to cool fire-exposed containers
Unusual Fire Explosion Hazard: None

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Section V – Reactivity Data

Stability: Stable

Condition To Avoid: Temperature exceeding 120°F (49°C). Contact with organic material may result in the formation of highly reactive and flammable compound.

Hazardous Decomposition Products: Excessive levels of chlorine dioxide gas may be generated when combined with bleach, or strong acids.

Hazardous Polymerization: Will not occur

Section VI – Health Hazard Information

Threshold limit Value (TLV): NA

Effects of Overexposure: NA

Eye Contact: Flush immediately with water. Get medical attention, if irritation persists.

Skin Contact: Highly unlikely to be absorbed through skin in toxic amounts. Acute Dermal LD(50) > 2.020 mg/kg. Wash with soap and water

Inhalation: Exposure to large amount of chlorine dioxide gas generated by contact of chlorite (part A) with concentrated strong acids, or hypochlorite (bleach) requires removal of individual to fresh air and possible medical attention.

Ingestion: Rat Oral LD (50) 4360mg/kg. Ingestion may produce gastric discomfort, nausea, vomiting, and diarrhea. Give milk or water to drink. Do not induce vomiting.

Section VII – Spill, Leak, and Disposal Procedures

Spill, Leaks: (Steps to be taken) Flush spills with water. Do not allow rags, paper or other oxidizable material to dry.

Wastes Disposal Method: Dilute with water and flush down drain

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Section VIII – Special Protection Information

Respiratory Protection: (Specify Type) Unnecessary

Ventilation: Open air or good room ventilation is normally adequate for safe use of this product. Avoid breathing any vapors or fumes resulting from strong acid activation.

Protective Gloves: Avoid prolonged contact with skin, protective gloves recommended

Eye Protection: Avoid contact with eye, safety goggles recommended

Other Protective Equipment: None

Section IX – Special Precautions and Comments

Storage & Handling Information: Avoid eye contact (good manufacturing practice recommends use of chemical safety goggles for all applications involving chemical handling).

Other Precautions: None required

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