



MATERIAL SAFETY DATA SHEET

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 800-323-2594

1. PRODUCT AND COMPANY IDENTIFICATION

FOR MEDICAL AND TRANSPORTATION EMERGENCIES
 24 Hour INFOTRAC (US and CANADA): 800-535-5053

PRODUCT NAME
 UNITED 896 OXY BLUE

USE/DESCRIPTION
 Odor Eliminator

REVISION DATE
 May 12, 2010

HMIS III HEALTH (0 = Maximum Safety) 1

Always follow Label Directions and Cautions.

* Chronic 2 Moderate
 4 Severe 1 Slight
 3 Serious 0 Minimal

See Hazards Identification Section of this MSDS for more detailed information.

PHYSICAL HAZARD (0 = Maximum Safety) 0

Susceptible to Release of Energy.

4 May detonate-vacate area if materials are exposed to fire. 2 Violent chemical change possible-use hose stream from distance
 3 Strong shock of heat may detonate-use monitors from behind explosion resistant barriers. 1 Unstable if heated-use precaution.
 0 Normally stable.

FLAMMABILITY (0 = Maximum Safety) 0

Susceptibility of Material to Burning.

4 Extremely flammable. 1 Must be preheated to burn.
 3 Ignites at normal temperature. 0 Will not burn.
 2 Ignites when moderately heated.

PERSONAL PROTECTION: E



2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS#	%Range	ACGIH (TLV-TWA)	OSHA (PEL-TWA)	LD50 (Species/Route)	LC50 (Species)
Potassium Permanganate	7722-64-7	> 80	0.2 mg/m3	5 mg/m3 Ceiling	780 mg/kg (rat/oral)	NE
Crystalline Quartz	14808-60-7	< 0.2	NE	0.1 mg/m3	NE	NE

3. HAZARDS IDENTIFICATION

Eyes: Damaging to eye tissue on contact. It may cause severe burns that result in damage to the eye.

Skin: Contact at room temperature may be irritating to the skin, leaving brown stains. Concentrated solutions at elevated temperature are damaging to the skin.

Inhalation: Acute inhalation toxicity data are not available. However, airborne concentrations of OXY BLU in the form of dust or mist may cause damage to respiratory tract.

Ingestion: May cause severe burns to mucous membranes of the mouth, throat esophagus and stomach.

Medical conditions generally aggravated by overexposure: May cause further irritation of tissue, open wounds, burns or mucous membranes.

4. FIRST AID MEASURES

Eyes: Immediately flush eyes with large amounts of water for at least 15 minutes holding lids apart to ensure flushing the entire surface. Do not attempt to neutralize chemically. Seek medical attention immediately. Note to physician: Soluble decomposition products are alkaline. Insoluble decomposition product is manganese dioxide.

Skin: Immediately wash contaminated areas with large amounts of water. Remove contaminated clothing and footwear. Wash clothing and decontaminate footwear before reuse. Seek medical attention immediately if irritation is severe or persistent.

Inhalation: Remove to fresh air. Apply CPR if needed and call a physician or poison center immediately.

Ingestion: DO NOT induce vomiting. If conscious, give large quantities of water. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

5. FIRE FIGHTING MEASURES

Flash Point (TCC): None

Explosive Limits: Lower (LEL): ND Upper (UEL): ND

Flame Projection (Aerosol): NA

Hazardous Products of Combustion: When strongly heated, such as a fire, potassium permanganate may form corrosive fumes.

Fire and Explosion Hazards: Oxidizing material may decompose spontaneously if exposed to intense heat (150°C/302°F) with evolution of gaseous oxygen. May undergo rapid exothermic reaction when in contact with certain chemicals. May react with finely divided and readily oxidizable substances. Increases burning rate of combustible material.

Extinguishing Media: Use large quantities of water. Water will turn pink to purple if in contact with this product. Dike to contain. Do not use dry chemicals, CO2 or Halon or foams. Noncombustible, but it supports and enhances combustion of combustible material.

Fire Fighting Instructions: If material is involved in a fire, flood with water. Cool all affected containers with large quantities of water. Apply water from as far a distance as possible. Wear self-contained breathing apparatus and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Small Spills: Clean up spills immediately by sweeping or scooping up the material. Do not return spilled material to the original container. Transfer to a clean metal drum. EPA banned the land disposal of D001 ignitable waste oxidizers. These wastes must be deactivated by reduction. To clean floor, flush with abundant quantities of water into sewer, if permitted by federal, state and local regulations. If not permitted, collect water and treat chemically (Section 13).

Large Spills: Same as above.

7. HANDLING AND STORAGE

Store in accordance with NFPA 430 requirements for Class II oxidizers. Protect containers against physical damage. Store in cool dry area in closed containers. Segregate from acids, peroxides, formaldehyde and all combustible organic or easily oxidizable materials, including antifreeze and hydraulic fluid. Wash hands thoroughly with soap and water after handling, and before eating or smoking. Wear proper protective equipment. Remove contaminated clothing.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Safety glasses or safety goggles are recommended.

Skin: Chemical resistant gloves (rubber or plastic gloves) are recommended.

Respiratory: Where overexposure may exist, the use of an approved NIOSH/MSHA dust respirator is advised. Engineering or administrative controls should be implemented to control dust.

Engineering Controls: Provide sufficient area or local exhaust to maintain exposure below the TLV-TWA.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: ND **Specific Gravity:** 2.050 (H₂O=1) **Vapor Pressure:** ND **Melting Point:** **

Vapor Density: ND **Evaporation Rate:** ND **Solubility in Water:** Complete **pH:** NA

Appearance and Odor: Dark purple solid, odorless.

** Starts to decompose with evolution of oxygen (O₂) at temperatures above 150°C(302°F). Once initiated, the decomposition may be exothermic and self-sustaining.

10. STABILITY AND REACTIVITY

Hazardous Polymerization: Will not occur.

Hazardous Decomposition: When involved in fire, potassium permanganate may form corrosive fumes.

Chemical Stability: Stable

Incompatibility: Acids; Peroxides; Formaldehyde; Anti-freeze; Hydraulic fluids; all combustible organic or readily oxidizable materials including metal powders- with hydrochloric acid, chlorine gas is liberated.

11. TOXICOLOGICAL INFORMATION

Carcinogenicity (NTP/IARC/OSHA): Yes (< 0.2% crystalline quartz)

California Proposition 65: Does this product contain chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm? Yes (<0.2% crystalline quartz)

12. ECOLOGICAL INFORMATION

Entry to the Environment: Low estimated lifetime in the environment, being readily converted by oxidizable materials to insoluble MnO₂.

Bioconcentration Potential: In non-acidic environments MnO₂ is insoluble and has a very low bioaccumulative potential.

Aquatic Toxicity (Potassium Permanganate): Rainbow trout, 96 hour LC₅₀: 1.80mg/L Bluegill sunfish, 96 hour LC₅₀: 2.3 mg/L

13. DISPOSAL CONSIDERATIONS

Consult your local, state and federal regulations for proper disposal guidelines. Disposal regulations may be different for each state and/or locality.

Deactivation of D001 Ignitable Waste Oxidizers by Chemical Reduction: Reduce product in aqueous solutions with sodium thiosulfate (Hypo), or sodium bisulfate or ferrous salt solution. The bisulfate or ferrous salt may require some dilute sulfuric acid to promote rapid reduction. If acid was used, neutralize with sodium bicarbonate to neutral pH. Decant or filter, and mix the sludge with sodium carbonate and deposit in an approved landfill. Where permitted, the sludge can be drained into sewer with large quantities of water. Use caution when reacting chemicals.

14. TRANSPORT INFORMATION

DOT: Available upon request.

TDG: Available upon request.

UN: Available upon request.

15. REGULATORY INFORMATION

VOC(Volatile Organic Compounds): None

TSCA (Toxic Substances Control Act): Listed

SARA Title III Section 302 EHS: ND

SARA Title III Section 311/312: ND

SARA Title III Section 313 Toxic Chemicals: Contains 80% Manganese Compound as part of the chemical structure. (manganese compounds CAS Reg. No. N/A)

WHMIS Classification:

This product has been classified in accordance with the hazard criteria of the CPR (Controlled Products Regulations/ WHMIS) and the MSDS contains all the information required by the CPR.

16. OTHER INFORMATION

Read and follow all label directions and precautions before using this product. These products are intended for industrial and institutional use only. NOT FOR HOUSEHOLD USE OR RESALE. KEEP OUT OF REACH OF CHILDREN.