

# MATERIAL SAFETY DATA SHEET

## I. PRODUCT INFORMATION

**TRADE NAME (as labeled):**

EPT

**DATE PREPARED/REVISED:**

January 15, 1996

**MANUFACTURER'S NAME:**

Hydro Engineering, Inc.  
865 West 2600 South  
Salt Lake City, Utah 84119

**PHONE NUMBER(S):**

801/972-1181 In Utah  
800/247-8424 Toll Free

## II. HAZARDOUS INGREDIENTS

Chemical Names	CAS Numbers	Percent	Exposure Limits in Air (give units)	
			ACGH TLV	OSHA PEL
<b>Other</b> (specify) Sodium Metaperiodate	7790-28-5	100	Not Est'd	Not Est'd

## III. PHYSICAL PROPERTIES

**Vapor density (air=1):** N/A

**Specify gravity (H<sub>2</sub>O=1):** 3.865

**Solubility in water:** 10.3% @ 20 °C

**Vapor pressure (mmHg @ 20 °C):** N/A

**Appearance and odor:** White crystalline powder; pH 5% solution 7-8

**Melting point of range (°F):** 572

**Boiling point or range (°F):** N/A

**Evaporation rate (butyl acetate=1):** N/A

## IV. FIRE AND EXPLOSION

**Flash point (°F) (give method):** Non Flammable

**Auto ignition temperature (°F):** None

**Flammable limits in air (volume %):** lower (LEL): Unknown

upper (UEL): Unknown

**Fire extinguishing materials:**

\_\_\_\_\_ water spray

\_\_\_\_\_ carbon dioxide (CO<sub>2</sub>)

\_\_\_\_\_ other (alcohol type)

\_\_\_\_\_ foam

\_\_\_\_\_ dry chemical

**Special fire fighting procedures:** Do NOT enter confined space without full bunker gear (helmet w/face shield, bunker coats, gloves & rubber boots), including a positive pressure NIOSH approved self-contained breathing apparatus.

**Unusual fire and explosion hazards:** Powerful oxidizing agent - assists fire. Keep away from finely divided metals.

**V. HEALTH HAZARD INFORMATION**

**SYMPTOMS OF OVEREXPOSURE (for each potential route of exposure).**

**Inhaled:** Dust irritant to mucous membranes. Toxic by ingestion. Do not smoke when using this product.

**Skin:** May cause allergic reaction.

**Swallowed:** Harmful by ingestion. No quantitative data available.

**HEALTH EFFECTS OR RISKS FROM EXPOSURE: Explain in lay terms.**

**Acute:** Dust irritant to skin, eyes, and mucous membranes.

**Cronic:** Toxic by ingestion.

**FIRST AID EMERGENCY PROCEDURES:**

**Eye contact:** Flush immediately with fresh water for at least 15 minutes. Contact a physician.

**Skin contact:** Remove contaminated clothing. Wash with soap and water. If irritation occurs, seek medical aid.

**Inhaled:** Remove to fresh air. Rinse facial area with plenty of water.

**Swallowed:** Do NOT induce vomiting. Drink large quantities of water. Seek medical aid.

**SUSPECTED CANCER AGENT?**

**NO:** This product's ingredients are not found on the list below.

**YES:**  Federal OSHA  NTP  IARC

California employers using Cal/OSHA -- regulated carcinogen must register with Cal/OSHA. The Cal/OSHA and Federal OSHA lists are similar.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Irritation of skin.

**VI. REACTIVITY DATA**

**Stability:**  Stable  Unstable

**Conditions to avoid:** Contact with combustibles, acid metal powders, and easily oxidized material.

**Incompatibility (materials to avoid):** Metal powders, organic compounds, combustibles, strong reducing agents.

**Hazardous decomposition products (including combustion products):** Iodine, oxygen.

**Hazardous polymerization:**  N/A May occur  N/A Will not occur

**Conditions to avoid:** N/A

## VII. SPILL, LEAK, AND DISPOSAL PROCEDURES

**Spill response procedures (include employee protection measures):** Absorb small spills onto suitable absorbent. Contain large spills by diking. Flush spill area with water.

**Disposal methods:** RCRA Class: Not regulated. EPA Hazardous substance reportable quantity: Not listed. May be supplied to biological treatment plant.

**NOTE:** Dispose of all wastes in accordance with federal, state, and local regulations.

## VIII. SPECIAL HANDLING INFORMATION

**Ventilation and engineering controls:** Local exhaust to control dust.

**Respiratory protection (type):** Dust mask (martingle or similar).

**Eye protection (type):** Safety goggles when handling powder concentrate.

**Gloves (specify material):** Neoprene gloves to prevent direct skin contact.

**Other clothing and equipment:** Adequate protective clothing to prevent skin contact.

**Work practices, hygiene practices:** Keep containers tightly sealed when not in use. Wash clothing before reuse.

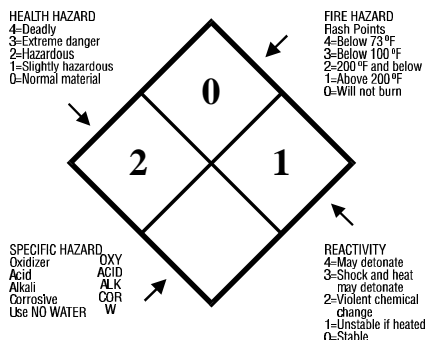
**Other handling and storage requirements:** Keep in sealed containers away from combustibles and sources of heat and ignition. Store out of direct sunlight at below 100 °F.

## IX. REPORTING REQUIREMENTS & ADDITIONAL INFORMATION

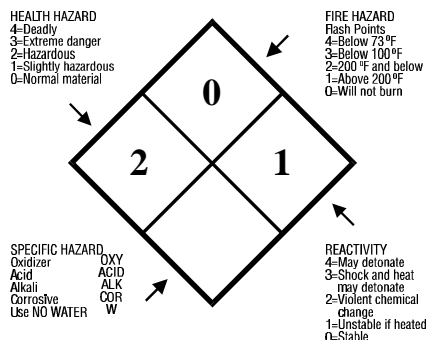
- Volatile Organic Compound (VOC) = None
- This product contains no chemicals subject to the reporting requirements of SARA Title III, Section 313.
- This product contains no Proposition 65 designated chemicals.
- This product contains is in compliance with California SCAQMD Rule 1171 as a clean up material.
- Non-photochemically reactive.
- Biodegradable, considered drain safe into all sewer systems.
- Contains no chlorinated or petroleum hydrocarbons.

NFPA 704 Code System Rating = Health 2; Flammability 0; Reactivity 1.

HMIS Code System Rating = Health 2; Flammability 0; Reactivity 1.



NFPA 704 Code System



HMIS Code System