UNUSUAL FIRE AND EXPLOSION HAZARDS D.O.T. SPECIAL FIREFIGHTING PROCEDURES Media Extinguisher Flash Point (Method Used) Solubility in Water Appearance and Odor Vapor Density (Air = 1) Vapor Pressure (mm Hg) Boiling Point (°F) SECTION Melting Point (°F) Chemical Synonyms Principal Hazardous Component(s) Product C.A.S. No. Unit(s) Size Formula SECTION III PHYSICAL DATA SECTION SECTION I NAME NON-REGULATED. Water spray; carbon dioxide (CO2); dry chemical (ABC) Non-flammable (NA) WARWING Potassium Ferricyanide POTASSIUM FERRICYANIDE 100 g., 500 g., 2.5 kg. K₃Fe (CN)₆ Red Prussiate of Potash 13746-66-2 MATERIAL SAFETY DATA SHEET 17730 - 17734 HAZARDOUS INGREDIENTS OF MIXTU >300°C (>572°F) decomposes. >300°C (>572°F) decomposes. Data not listed. Bright red crystals; on odor. 33 grams per 100 mL. water at 4°C. Negligible as solid. E AND EXPLOSION HAZARD DATA MAY BE HARMFUL IF SWALLOWED. Dangerous when heated to decomposition or on contact with acids or acid fumes; breathing apparatus and protective clothing to prevent cyanides. contact with skin and eyes. In fire conditions, wear a NIOSH-approved, self-contained Flammable Limits in Air % by Volume = by Volume (%) Specific Gravity (H,0 = 1) Evaporation Rate emits highly toxic fumes of HAZARD RATING LEAST : NA SLIGHT Day 716-226-6177 Night 716-334-4222 % 100% CHEMTREC 800-424-9300 Lower MODERATE 1.894 @ 17°C. Non-volatile (NA) Non-volatile (NA) See Section V TLV Units Sin Į Į Reactivity 1 -----Health 1 Fire 1 EXTREME Other Precautions Other Protective Equipment Keep container tightly closed when not in use Protective Gloves Ventilation Local Exhaust May Occur Hazardous Emergency and First Aid Procedures **Effects of Overexposure**

SECTION V. HEALTH HAZAARD DATA

Threshold Limited Value

Toxicity data:

None established. (ACGIH 1983-84). Oral LD $_{\rm SF}$ (rat) 1600-3200 mg/kg. Classification: Slightly toxic.

apparently this material is comparatively benign. It is not decomparently to cyanide in the body. Rapidly excreated in the urine, apparently low toxicity hazard. No adequate toxicity data were located, but without metabolic alteration.

EYES: Flush with water.

Flush thoroughly with water. If irritation develops persists, get medical attention.

INCESTION: If swallowed, if conscious, induce vomiting and call physician.

SECTION VI REACTIVITY DATA

Stability Unstable Stable Incompatibility (Materials to avoid) **Conditions to Avoid** Protect from light, heat, strong mineral acid or acid fumes.

Strong mineral acids or acid fumes

Hazardous Polymerization **Decomposition Products** Will Not Occur Conditions to Avoid of nitrogen. Thermal decomposition will produce cyanide fumes and oxides Not applicable.

SECTION VIII SPILL ORILEAK PROCEDURES

Steps to be taken in case material is released or spilled

Sweep up and place in a suitable container. Wash spill area with soap and water.

Waste Disposal Method

Dispose of in an approved incinerator equipped with an afterburner and scrubber or contract with a licensed waste disposal service.

Discharge, treatment, or disposal may be subject to federal, state, or local laws.

SECTION VIII SPECIAL PROTECTION INFORMATION work in fume hood, or wear approved dust mask. If dusty conditions prevail.

(General) Not needed. Recommended. 10. 5

None should be needed.

Eye Protection

Chemical safety glasses.

SECTION IX SPECIAL PR Smock, apron, eye wash station, ventilation hood, proper gloves if needed ECAUTIONS

in Handling and Storing Precautions to be Taken

Store in a cool, dry place away from strong mineral acids and fire hazards. Wash thoroughly after handling. Wash thoroughly after handling.

Read label on container before using

Protect from light

For laboratory use only. Not for drug, food or household use. Keep out of reach of children

Chemical Safety Coordinator

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CIENTIF

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20

905 HICKORY LANE MANSFIELD OHIO 44905

MSDS No. Effective Date

Rev. No.

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