SECTION I

NAME

## FF 110 July 1,

Chemical Synonyms Formula Product : C.A.S. No. Unit(s) Size SECTION II 7782-61-8 Ferric Nitrate Nonahydrate EERRIC NITRATE 100, 500 grams, 2.5 Kg. Fe(NO3)3-9H20

> Day 716-226-6177 Night 716-334-4222 CHEMTREC 800-424-9300 Reactivity Health Fire

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EXTREME

HAZARDOUS INGREDIENTS OF MIXTURES HAZARD RATING LEAST MODERATE ယ ဋ္

Principal Hazardous Component(s) Ferric Nitrate 100% % See Section V **TLV Units** 

BURNS. HARMFUL IF INHALED OR SWALLOWED

DANGER!

STRONG OXIDIZER CAUSES SKIN AND

Solubility in Water Vapor Density (Air = 1) Boiling Point (°F) Vapor Pressure (mm Hg) Melting Point (°F) SECTION III PHYSICAL DATA Data not listed Very soluble Negligible as solid Decomposes 125°C 47.2°C Percent Volatile by Volume (%) Specific Gravity (H,0 = 1) Evaporation Rate 1.68 @ 21°C Non-volatile (NA) Non-volatile (NA)

Appearance and Odor SECTION IV FIRE AND EXPLOSION HAZARD Pale violet to grayish white, somewhat deliquescent crystals; odorless

Hash Point Method Used) Not flammable Flammable Limits MAir % by Volume

Flooding amounts of water in early stages. Heavy water jet advantageous

Extinguisher Media

SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear self-contained breathing full face piece approved by NIOSH. apparatus with

UNUSUAL FIRE AND EXPLOSION HAZARDS

See Hazardous Decomposition Products. Section—VI. Oxidizing material. In contact with easily oxidizable substances, it may react rapidly enough to cause ignition, violent combustion, or explosion. Increases the flammability of any combustible or explosion. Increases the community produce hazardous substance. Fire or excessive heat may produce hazardous

D.O.T. OXIDIZER

CIENTIFIC

FREY SCIENTIFIC

HICKORY LANE MANSFIELD OHIO 44905

MSDS No. Effective Date

Rev. No.

905

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

1986

SECTION V HEALTH HAZARD DATA

Threshold Limited Value

**Effects of Overexposure** 

None established. Ferric nitrate nonahydrate is 14% iron. (ACGIH 1983-84). Toxicity: The dangerous dose is 30 mg/Kg of IRON. TVL:  $1 mg/m^3$  (as iron).

INGESTION: May cause excessive urination or bowel movement. Acid natus of this sait may cause corrosive damage to the gastrointestinal tract. irritation or corrosion. <u>EYES</u>: Can cause severe irritation or corrosion. SKIN: Concentrated aqueous solutions or dust may cause severe local

Emergency and First Aid Procedures

EYES: Immediately flush thoroughly with water for 15 minutes. medical attention. SKIN: Immediately flush with water, then w and water. INGESTION: If conscious and free of convolsions, in give 2 to 4 glasses of water or milk and induce vomiting. Cal immediately. INHALATION: Remove to fresh air. If ill effects get medical attention. INGESTION: If conscious and free of convulsions, immediately SKIN: Immediately flush with water, then wash with If ill effects develope, Call physician Get immediate soap

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## SECTION VI REACTIVITY DATA

Stability Stable Unstable Conditions to Avoid See decomposition temperature, Section III

(Materials to avoid) Incompatibility

Aluminum, cyanides, phosphorous, stannous chloride, thiocyanates:. Oxiomaterials including sulfur, organic materials and sodium hypophosphite. Oxidizable

Hazardous
Decomposition Products May Occur Hazardous Polymerization Will Not Occur **Conditions to Avoid** We have no studies on this product, but we would expect nitrogen oxide gases to be evolved in a fire. Not applicable.

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled

Upper

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

Waste Disposal Method

Dissolve in water and flush to sewer with copious amounts of water.

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

## SECTION VIII SPECIAL PROTECTION INFORMATION

**Protective Gloves** Ventilation Local Exhaust Mechanical (General) Rubber Recommended Recommended or wear a Eye Protection Chemical safety glasses.

lf dusty conditions prevail

Other Protective Equipment

SECTION IX SPECIA Smock, apron, eye wash station, safety goggles, proper gloves, fire extinguisher. L PRECAUTIONS

Keep container tightly closed when not in use. in Handling and Storing Precautions to be Taken

Wash thoroughly after handling. Store in a cool, dry place away from combustible materials.

Other Precautions

Read label on container before using

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

16.1 Date 1/12/87 Approved Mundel Coccould Chemical Safety

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