## MATERIAL SAFETY DATA SHEET IN 1. 1986

Extinguisher Media Solubility in Water Synonyms Appearance and Odor Vapor Density (Air=1) Boiling Point (°F) lash Point Method Used) Vapor Pressure (mm Hg) Principa! Hazardous Component(s) Melting Point (°F) C.A.S. No. Unit(s) Size Formula Product SECTION D SECTION MAY BE FATAL IF SWALLOWED-STRONG OXIDIZER. DANGER! Mercuric Oxide, Red į. IV. CHREMNDIEXPLOSION IMAZARU DATA I NAME Use any media suitable for extinguishing supporting fire. II ..... HAZARDOUS INGREDIENTS OF MIXTURES Non-flammable (NA) I PHYSICAL DATA 21908-53-2 30, 100, Hgo MERCURIC OXIDE, RED POISON Mercury Oxide, Red , e Heavy, bright, orange-red crystalline powder; no odor. 500 grams Slightly soluble in water at 20°C. Data not listed Negligible as solid Decomposes at 500°C Decomposes HARMFUL IF INHALED Flammable Limits in Air % by Volume NA Evaporation Rate Percent Volatile by Volume (%) Specific Gravity (H,0 = 1) **HAZARD RATING** LEAST SLIGHT Ony 716-226-6177 Night 716-334-4222 2001 % CHEMTREC 800-424-9300 MODERATE Non-volatile (NA) 11.00-11.29 Non-volatile (NA) See Section V TLV Units HGH Reactivity 0 Health FIFE **ЭМЭВТХЭ** 0

SPECIAL FIREFIGHTING PROCEDURES

In fire conditions, wear a NIOSH-approved self-contained breathing apparatus and full protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Oxidizer, increases the flammability of any combustible substance.

Dangerous; when heated to decomposition, it emits highly toxic fumes of mercury and flammable oxygen gas; can Highly toxic. Fire risk in contact with organic materials. react with reducing agents.

CIENTIFIC

D.O.T.

POISON B. SOLID

905 HICKORY LANE: MANSFIELD OHIO 44905 FREY SCIENTIFIC

Rev. No.

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

## SECTION V. HEALTH HAZARD DATA

Threshold Limited Value

None listed for Mercuric exide. (ACGIH 1983-84).

Effects of Overexposure

TMA as mercury [CAS. No. 7439-97-6] Mercury vapor 0.05 mg/m³ (AIR): in organic compounds 0.1 mg/m³.

fects of Overexposure [NGESTION: Highly toxic. Nay cause severe nauses, vomiting, hematemests, abdominal pain, diarrhea, melena, renal damage, prostration. [HINALATION: Prolonged or repeated exposure to the dust causes upper respiratory tract irritation, lung injury, vomiting, chest and abdominal pain, fatigue, gingivitis, difficulty swallowing, irritability, tremors and kidney damage. SKIN AID EYES: Causes irritation. Toxic by skin absorption.

INHALATION: Remove to fresh air. Get medical attention. <u>SKIN:</u> Flush with water, then wash with soap and water, <u>EYES:</u> Flush thoroughly with water. Flush under unper-<u>INGESTION: If swallowed, if conscious, give one or two glasses of water to drink</u> Induce vomiting. Repeat until vomit fluid is clear. Call physician immediately,

Emergency and First Ald Procedures

Get medical attention. Flush thoroughly with water. Flush under upper and lower eyelids.

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## SECTION VI\_\_REACTIVITY DATA\_\_\_\_\_\_

Stability Stable Incompatibility Unstable Protect from light, temperatures above 500° C. Reducing agents Conditions to Avoid to light and decomposes into mercury and oxygen. Stable in air but turns dark on exposure

**Decomposition Products** Hazardous

(Materials to avoid)

Heating above 500°C will produce highly toxic fumes and flammable oxygen gas. of mercury

May Occur Hazardous Polymerization Will Not Occur Conditions to Avoid Not applicable,

Steps to be taken in case material is released or spilled SECTION VII SPILL OR LEAK PROCEDURES

in a suitable container for disposal. Mearing suitable protective clothing, sweep up and place

Waste Disposal Method

Dispose of in an approved Chemical landfill 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

Protective Gloves /entilation | Local Exhaust | Mechanical (General) work in ventilation hood or wear a NIOSH-approved dust Rubber or plastic Eye Protection mask or respirator

Goggles, smock, apron, eye wash station, ventilation hood, proper gloves.

Chemical safety glasses

SECTION IX SPECIAL PRECAUTIONS

in Handling and Storing Keep sontainer lightly slosed when not in use ecautions to be Taken fire hazards. Store in a cool, dry place away from strong reducing agents and

Protect from light. Wash thoroughly after handling.

Other Precautions flead label on container before using

Do not breathe dust.

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

½ / Date 1/12/87 Approved (Minde II. Chemical Safety

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