

GFS CHEMICALS, INC.

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MATERIAL SAFETY DATA SHEET

2464

PHENYLMERCURIC NITRATE, BASIC

CHEMICAL NAME & SYNONYMS

Phenylmercuric Nitrate, Basic

DOT CLASS

6.1/II

SARA TITLE 313

Yes Hg cmpds.

TSCA listed - No

FORMULA

(C₆H₅Hg)₂NO₃OH

REPORTABLE QUANTITY

N/A

F.W.

634.42

CAS#

8003-05-2

PHYSICAL DATA

White to off-white powder. Odorless.

APPEARANCE & ODOR

Melting point 176EC. Insoluble in water.

REACTIVITY & CONDITIONS TO AVOID

Stable when protected from light. Light sensitive. Incompatible with strong acids and strong oxidizers.

FIRE HAZARDS

Not flammable, but may decompose in general fire emitting mercury and phenylmercury vapors. Firefighters wear SCBA.

EXTINGUISHER

Fight surrounding fire.

FLASHPOINT

N/A

LEL

N/A

UEL

N/A

HEALTH HAZARDS

Toxic if inhaled, swallowed, or absorbed through skin. Irritating to skin, eyes and mucous membranes. LD₅₀ (scu-rat) 63 mg/kg. Effects of mercury poisoning: Acute-severe nausea, abdominal pain, bloody diarrhea, kidney damage and death. Chronic-CNS disturbances, muscle tremors, loss of memory, irritability, depression, insomnia, gum disease, possible irrationality or insanity. These symptoms usually disappear with time after exposure ceases. OSHA PEL: Ceiling 100 ug Hg/m³. ACGIH PEL:TWA 25 ug Hg/m³ (skin). Warning: This product contains a chemical known to the state of California to cause birth defects or other reproductive harm.

SPECIAL PRECAUTIONS

Wear goggles, rubber gloves and protective clothing while handling. Use suitable ventilation and/or a respirator approved for mercury vapors. Avoid all contact.

FIRST AID

Wash skin and eyes thoroughly with water after contact. For eyes, get medical attention. If swallowed, give milk or milk of magnesia and induce vomiting. If symptoms of chronic exposure develop, get medical attention.

SPILLS & LEAKS

Take up spill in suitable absorbant and dispose to hazardous waste. Wash up with water. Do not allow this material to enter sewer systems or waterways.

CATALOG #

2464

PREPARED BY

MDM

DATE

May 4, 1999