

Hg Absorb™

Material Safety Data Sheet

MSDS 1609

SECTION I: MANUFACTURER INFORMATION

Lab Safety Supply
PO Box 1368
Janesville, WI 53547

Date Issued: 5/16/90
Revised: 4/16/93
Regular Phone Number: (608) 754-2345
Emergency Phone Number: (800) 365-2501

SECTION II: MATERIAL IDENTIFICATION & INFORMATION

Components/ CAS Number	%	OSHA PEL	ACGIH TLV	LIMITS RECOMMENDED
Granular Zinc (7440-66-6)	94-96	N/A	N/A	5 mg/m ³ respirable dust 15 mg/m ³ total dust
Citric Acid (77-92-9)	4-6	N/A	N/A	5 mg/m ³ respirable dust 15 mg/m ³ total dust

SECTION III: PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: N/A
Vapor Pressure: N/A
Vapor Density (Air=1): N/A
Solubility in Water: Moderate
Appearance and Odor: Gray granular solid

Specific Gravity (H₂O=1): Bulk density 2.35 gm/cc
Melting Point: N/A
Evaporation Rate: N/A
Water Reactive: Hydrogen may released

SECTION IV: FIRE & EXPLOSION DATA

Flash Point: N/A
Auto Ignition Temperature: N/A
Flammability Limits in air (% by volume): N/A

LEL: N/A
UEL: N/A

Extinguisher Media:

CO₂ or dry chemical (DO NOT use water. Water will react violently with molten material.)

Special fire fighting
procedures:
N/A

Unusual Fire & Explosion Hazards:

Zinc dust mixed with Sulfur dust may explode

SECTION V: REACTIVITY HAZARD DATA

Stability: Stable

Materials to Avoid: Oxidizing agents, acids, bases, halogens, reducing agents, amines, chlorinated solvents, and sulfur.

Hazardous Decomposition Products: May release CO and/or CO₂

Hazardous Polymerization: Will not occur

Conditions to Avoid: N/A

SECTION VI: HEALTH HAZARD DATA

Primary routes of entry: Inhalation

Carcinogen listed in: N/A

Health hazards:

Acute irritation to eyes, nose, throat, metallic taste in mouth, flu like symptoms. Chronic chromosomal anomalies in leukocytes reported, arthritic lameness and inflammation of gastro-intestinal tract reported in animal studies.

Signs and symptoms of exposure:

Irritation of nose, throat, and eyes.

Medical conditions generally aggravated by exposure:

N/A

EMERGENCY FIRST AID PROCEDURES - Seek medical assistance for further treatment

Eye contact: Flush eyes with plenty of water for at least 15 minutes

Skin contact: Flush with plenty of water

Inhalation: Remove to fresh air, seek medical attention immediately

Ingestion: Dilute with plenty of water and seek medical attention immediately.

SECTION VII: CONTROL AND PROTECTIVE MEASURES

Respiratory protection:

Use nuisance dust mask at dust levels over 15 mg/m³, 3M 9908 or equivalent may be desirable for Mercury clean up procedures.

Protective gloves:

Polyethylene, rubber, or PVC

Eye protection:

Safety glasses recommended

Other protective clothing and equipment:

None required under normal use

Ventilation to be used:

Mechanical (general)

Hygienic work practices:

Wash hands after use

SECTION VIII: PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken if Material is Spilled or Released:

Sweep up material and place in waste disposal container.

Waste disposal methods:

Mercury free material may be containerized and disposed of in a licensed landfill. Dispose of mercury containing material in accordance with local, state and federal regulations for hazardous waste.

Precautions to be taken in handling and storage:

Store in cool dry place, away from incompatible materials.

Other precautions and/or special hazards:

N/A

NFPA Rating:

Health 0 Flammability 1 Reactivity 1 Special N/A