

Hg Absorb®
MATERIAL SAFETY DATA SHEET

MSDS 1609

SECTION I: MANUFACTURER INFORMATION

Lab Safety Supply, Inc.
PO Box 1368
Janesville WI 53547
(608) 754-2345

Date Issued: 5/16/90
Date Reviewed: 5/18/2007
Phone Number: (800) 255-3924
Emergency Number: (800) 356-2501

Assembled for Lab Safety Supply per
Lab Safety Supply Specifications by:
Kandir Industries
Janesville, WI

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	5mg/m ³ respirable dust 15mg/m ³ total dust
Citric Acid (77-92-9)	4-6	N/A	N/A	5mg/m ³ respirable dust 15mg/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 2.35gm/cc
Melting Point: N/A
Evaporation Rate: N/A
Water Reactive: Hydrogen may be released

SECTION IV: FIRE & EXPLOSION DATA

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

LEL: N/A
UEL: N/A

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: N/A
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 NIOSH approved particulate respirator at total dust levels over 15mg/m³.

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 Take 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