Hg Absorb®
MATERIAL SAFETY DATA SHEET

SECTION I: MANUFACTURER INFORMATION

Lab Safety Supply, Inc.  Date Issued: 05/16/90
PO Box 1368  Date Reviewed: 05/10/10
Janesville, WI 53547  Assembled for LSS per LSS
(608) 754-2345  specifications by:

Date Reviewed: 05/10/10
Phone Number: (800) 356-2501
Emergency Number: (800) 255-3924
Janesville, WI

SECTION II: MATERIAL IDENTIFICATION & INFORMATION

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS Number</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Limits Recommendations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Granular Zinc</td>
<td>(7440-66-6)</td>
<td>94–96 N/A</td>
<td>N/A</td>
<td>5mg/m³ respirable dust</td>
</tr>
<tr>
<td>Citric Acid</td>
<td>(77-92-9)</td>
<td>4–6 N/A</td>
<td>N/A</td>
<td>15mg/m³ total dust</td>
</tr>
</tbody>
</table>

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:
  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/m².

Eye Protection:
Safety glasses recommended.

Ventilation to be Used:
Mechanical (general)

Protective Gloves:
Polyethylene, rubber or PVC

Other Protective Clothing and Equipment:
None required under normal use.

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