Hg Absorb™
Material Safety Data Sheet

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

<table>
<thead>
<tr>
<th>Components/CAS Number</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>LIMITS RECOMMENDED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Granular Zinc (7440-66-6)</td>
<td>94-96 N/A</td>
<td>N/A</td>
<td>5 mg/m³ respirable dust</td>
</tr>
<tr>
<td>Citric Acid (77-92-9)</td>
<td>4-6 N/A</td>
<td>N/A</td>
<td>5 mg/m³ respirable dust</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>15 mg/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 2.35 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
LFL: 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.

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 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