

HG ABSORB(R*)

MATERIAL SAFETY DATA SHEET

MSDS: 1609

SECTION I: MANUFACTURER INFORMATION



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ASSEMBLED FOR LSS PER LSS SPECIFICATIONS BY:
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SECTION II: MATERIAL IDENTIFICATION & INFORMATION



COMPONENTS	%	OSHA	ACGIH	LIMITS
CAS NUMBER		PEL	TLV	RECOMMENDED
GRANULAR ZINC (7440-66-6)	94-96	N/A	N/A	5 MG/M3 RESPIRABLE DUST 15 MG/M3 TOTAL DUST
CITRIC ACID (77-92-9)	4-6	N/A	N/A	5 MG/M3 RESPIRABLE DUST 15 MG/M3 TOTAL DUST

SECTION III: PHYSIC ALCHEMICAL CHARACTERISTICS



BOILING POINT: N/A

SPECIFIC GRAVITY (H₂O = 1): BULK DENSITY 2.35 GM/C

VAPOR PRESSURE: N/A

MELTING POINT: N/A

VAPOR DENSITY (AIR=1): N/A

EVAPORATION RATE: N/A

SOLUBILITY IN WATER: MODERATE

WATER REACTIVE: HYDROGEN MAY BE RELEASED

APPEARANCE AND ODOR: GRAY GRANULAR SOLID

SECTION IV: FIRE & EXPLOSION DATA



FLASH POINT: N/A

LEL: N/A

UEL: 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 15 MG/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