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MATERIAL SAFETY DATA SHEET

SECTION I: IDENTIFICATION OF PRODUCT

PRODUCT NAME: Mercury Absorbent Powder

Company Profile:
SpillTech
Brookley Industrial Complex
1627 O'Donoghue Street
Mobile, AL 36615

Customer Service Telephone Number: 1-800-228-3877
Technical Information Telephone Number: 1-251-694-0102 ext. 2

SECTION II: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	PERCENT	CAS NUMBER
Granular Zinc	96%	7440-66-6
Citric Acid	4%	77-92-9

SECTION III: HAZARDS IDENTIFICATION

EYES:	May cause temporary irritation.
SKIN:	Dust may cause dryness and irritation.
INGESTION:	May cause irritation.
INHALATION:	No hazard in normal use of product. May cause respiratory tract irritation.
CHRONIC HEALTH HAZARDS:	Not applicable.

SECTION IV: FIRST AID MEASURES

EYES:	Wash eyes promptly with plenty of water while lifting eyelids. Continue to rinse for at least 15 minutes, and get medical attention.
SKIN:	Wash thoroughly with soap and water.
INGESTION:	Drink two glasses of water to dilute ingested material. Do not induce vomiting. If symptoms persist, seek medical attention.
INHALATION:	Not normally applicable. Move to fresh air or oxygen supply. If symptoms persist, seek medical attention.

SECTION V: FIRE FIGHTING MEASURES:

EXTINGUISHING MEDIA: Unused form: smother with suitable dry powder. Do not allow water runoff to enter sewers or waterways. Used form: that which is compatible to liquid(s) being transferred.

SPECIAL FIRE FIGHTING PROCEDURES: Move container if possible and avoid breathing vapors or dust. Water may be used to cool fire-exposed containers. Wear SCBA with full facepiece.

HAZARDOUS COMBUSTION PRODUCTS: Irritating or toxic fumes in a fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Closed containers exposed to heat may rupture due to pressure buildup

SECTION VI: ACCIDENTAL RELEASE MEASURES

SPILL OR LEAK PROCEDURES: Wear protective equipment. Ventilate area and remove ignition sources. Sweep or vacuum in a manner that does not disperse zinc powder in the air and place the zinc in a closed container for recovery or disposal.

SECTION VII: HANDLING AND STORAGE

HANDLING: Keep away from water. Minimize inhalation of vapors. Avoid skin contact. Keep closed when not in use. Do not handle or store near strong oxidants.

STORAGE: Room temperature in well ventilated areas. Prevent product from freezing.

SHELF LIFE: >1 year, in original sealed package.

GENERAL: Refer to absorbed liquid(s) MSDS(s). The container can be hazardous when empty. Follow label cautions even after the container is empty. Do not re-use empty containers for food, clothing or products for human or animal consumption, or where skin contact can occur.

SECTION VIII: EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: General ventilation recommended.

RESPIRATORY PROTECTION: Supplied-air respiratory protection is recommended for confined spaces. Product should be used only if sufficient ventilation is provided to prevent inhalation of vapors.

GLOVES: Impervious gloves.

EYE PROTECTION: Safety glasses with side shields is a good industrial practice

OTHER: Remove contaminated clothing and wash before reuse. Cleanse skin thoroughly after contact.

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200):

	EXPOSURE LIMITS 8 hrs. TWA (ppm)	
	OSHA PEL	ACGIH TLV
Zinc respirable dust	5 mg/m^3	5 mg/m^3

SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Gray solid
ODOR:	Bland
pH AS SUPPLIED:	Not determined
MELTING POINT:	Not determined
BOILING POINT:	>212°F (>100°C)
FLASH POINT:	Not available
FLAMMABLE LIMITS:	Not determined
CONDITIONS OF FLAMMABILITY:	Not determined
EXPLOSIVE PROPERTIES:	Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.
AUTO-IGNITION TEMPERATURE:	Not determined
VAPOR PRESSURE:	Not available
VAPOR DENSITY:	Not determined
RELATIVE DENSITY (H_2O = 1):	6.9544
EVAPORATION RATE:	Not determined
SOLUBILITY IN WATER:	Not determined
COEFFICIENT OF WATER/OIL DISTRIBUTION:	Not determined
VOLATIZES CONTENT:	0
VOC (g/L):	0

SECTION X: STABILITY AND REACTIVITY

STABILITY:	This is a stable material. Damp zinc dust or powder may heat spontaneously and ignite on exposure to air.
CONDITIONS OF REACTIVITY:	Not available
MATERIALS TO AVOID:	Zinc powder can react violently with water, sulfur and halogens. Potentially dangerous with strong oxidizing agents, lower molecular weight chlorinated hydrocarbons, strong acids and alkalis
CONDITIONS TO AVOID:	Heat, strong oxidants
HAZARDOUS DECOMPOSITION:	Irritating and toxic fumes and gases, toxic fumes of zinc oxide.
HAZARDOUS POLYMERIZATION:	Will not occur

SECTION XI: TOXICOLOGICAL INFORMATION

LD50:	Not available
LC50:	Not available
Carcinogenicity:	IARC: None National Toxicology Program: None OSHA: None California Prop 65: No listed ingredient
Reproduction Toxicity:	Not available
Teratogenicity:	Not available
Mutagenicity:	Not available
Synergistic Products:	Not available
Irritancy of Product:	See Section 2.
Sensitization to Product:	Not available

SECTION XII: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION:	No data available

SECTION XIII: DISPOSAL CONSIDERATIONS

DISPOSAL METHOD:	This material is NOT defined as hazardous by the Resource Conservation and Recovery Act. Dispose of in accordance with federal, state and local regulations. In certain types of cleanup applications the nature of the material recovered will classify the resulting spent material as a hazardous component. In such instances the material should be disposed of via an approved hazardous waste disposal service and the appropriate manifesting obtained

SECTION XIV: TRANSPORT INFORMATION: U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME:	Not Regulated
HAZARD CLASS:	Not Regulated

SECTION XV: REGULATORY INFORMATION

CERCLA (Comprehensive Environmental Response Compensation and Liability Act):	No Reportable Quantity
OSHA Hazard Communication Standard, 29 CFR 1910.1200:	Zinc
SARA Title III (Superfund Amendments and Reauthorization Act):	Zinc, CAS # 7440-66-6
TSCA (Toxic Substances Control Act):	All ingredients are listed.

SECTION XVI: OTHER INFORMATION

CAS# 7440-66-6 can be found on the following state right to know lists: California, New Jersey, Florida, Pennsylvania, Massachusetts. California No Significant Risk Level

Prepared by: Dale Gatehouse, Entreprises Krenda Inc.
Approved by: Robin Thornett, SpillTech
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