



**SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT IDENTIFIER: ACCELERATOR ZMBT POWDER**

**GRADES: TECHNICAL AND STANDARD**

Manufactured for and supplied by: Telephone no: (330) 798-9300  
Harwick Standard Distribution Corporation Date prepared: August 9, 2010  
60 South Seiberling Street Preparer: Health, Safety & Environment  
P.O. Box 9360  
Akron, OH 44305-0360 Product use: Accelerator

**SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS**

Components Chemical Identity	CAS Number	LD <sub>50</sub> (mg/kg) of Ingredient	LC <sub>50</sub> (mg/kg) of Ingredient	%
Zinc 2-Mercaptobenzothiazole	155-04-4			82-85
2-Mercaptobenzothiazole	149-30-4			15-18

**SECTION 3 - HAZARD(S) IDENTIFICATION**

**Primary routes of exposure:**

Inhalation  Skin contact  Eye contact  Skin absorption  Ingestion

**Emergency Overview:** WARNING! May form combustible dust – air mixtures. Avoid eye and skin contact. Avoid ignition sources such as sparks and flames.

**Potential Health Effects:** May cause mild eye irritation. May cause skin irritation or allergic skin reaction. May cause mild respiratory irritation. Repeated and/or prolonged skin contact may cause skin defatting.

**SECTION 4 – FIRST AID MEASURES**

**Inhalation:** Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, seek immediate medical attention.

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**Ingestion:** If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious or convulsing person.

**Skin contact:** Remove contaminated clothing. Wash affected areas of skin with soap and water. If irritation persists, seek medical attention. Launder clothing before reuse.

**Eye contact:** Immediately flush eyes with plenty of water for at least 15 minutes and seek medical attention if irritation persists.

#### SECTION 5 – FIRE FIGHTING MEASURES

**Flash point (method):** Not Determined

**Extinguishing media:** Water spray, foam or other Class A extinguishing agent.

**Special fire fighting procedures:** Fight fire from a safe distance and from a protected location. Wear self-contained, positive pressure breathing apparatus and full fire fighting protective clothing. Do not allow runoff to enter waterways.

**Unusual fire and explosion hazards:** Toxic emissions may result if product is involved in a fire. Avoid ignition sources such as sparks and flame. Assure proper grounding.

**Hazardous combustion products:** Carbon monoxide, nitrogen oxide and sulfur dioxide

#### SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Leak & Spill Procedure:** Isolate area and remove sources of friction, impact, heat, low level electrical current, and RF energy. Wear protective clothing and equipment specified. Avoid ingestion and inhalation of dust. Scoop and place into container for disposal. Do not allow product to enter sewage or ground water.

#### SECTION 7 - HANDLING AND STORAGE

**Handling:** Prevent the generation and accumulation of dust. Avoid ingestion and inhalation of dust. Avoid contact with eyes, skin and clothing. Avoid ignition sources such as sparks and flames. Reclose containers of unused product. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Do not reuse this container.

**Storage:** Store closed containers in a cool, dry, well-ventilated area. Store away from strong oxidizing materials. Avoid exposure to direct sunlight.

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**SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Respiratory protection (specify type):** If dust is excessive (above TLV), a NIOSH/MSHA approved full organic cartridge filter respirator, sir supplied respirator or SCBA.

**Exposure Limits:** OSHA PEL/8hr TWA: 15 mg/m<sup>3</sup> (total dust)  
5 mg/m<sup>3</sup> (respirable dust)  
ACGIH TLV/8hr TWA: 10 mg/m<sup>3</sup>

**Ventilation:** **Local exhaust:** Recommended to minimize exposure.  
**Mechanical (general):** Recommended to minimize exposure.

**Protective gloves:** Impervious

**Eye protection:** Safety glasses or goggles

**Skin protection:** Normal work coveralls to prevent skin contact. Launder contaminated clothing before reuse.

**SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES**

Boiling point:	Not determined	Specific gravity:	1.7 @ 25°C
Melting point:	572°F	pH:	Not determined
Vapor pressure (mm Hg):	Negligible	Odor threshold (ppm):	Not determined
Vapor density (AIR=1):	Not determined	% Volatile by Volume	0.5-2.6% (3hours @ 60°C
Solubility in water:	Insoluble	Zinc Content:	15-18%
Appearance (physical state):	Off white to pale yellow fine powder	Odor:	Slight

**SECTION 10 - STABILITY & REACTIVITY**

**Stability** **Stable:**   
**Unstable:**

**Conditions to avoid (conditions of reactivity):** Avoid ignition sources. Keep away from heat, sparks and flame.

**Incompatibility (materials to avoid):** Oxidizing agents. Acids.

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**Hazardous decomposition or byproducts:** Carbon monoxide, nitrogen oxide and sulfur dioxide

**Hazardous polymerization**      **May occur:**        
**Will not occur:**     

### SECTION 11 - TOXICOLOGICAL INFORMATION

**Acute:** May cause mild eye irritation. May cause skin irritation or allergic skin reaction. May cause mild respiratory irritation. Repeated and/or prolonged skin contact may cause skin defatting.

**Chronic:** None known.

**Other information:** Target organs: Respiratory system, eye and skin.

Oral LD50 (rat):      7500 mg/kg      Non-toxic  
Dermal LD50 (rabbit) 7940+ mg/kg      Non-toxic

**Skin:** No allergic skin reaction and no cumulative or primary irritation in controlled skin contact studies with human volunteers.

**Eye:** This material cause slight eye irritation in animal tests.

**Ingestion:** Product is slightly toxic by single-dose ingestion. Repeated ingestion in laboratory animals resulted in increased liver weights.

### Carcinogenicity

**NTP**            **IARC**            **OSHA**            **ACGIH**     

**Reproductive toxicity:** Not available

### SECTION 12 - ECOLOGICAL INFORMATION

**Aquatic Toxicity:** Not available

### SECTION 13 - DISPOSAL CONSIDERATIONS

**Waste disposal method:** In accordance with federal, state, and local regulations.

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**SECTION 14 - TRANSPORTATION INFORMATION**

**Special shipping information:** Not DOT regulated.

**SECTION 15 - REGULATORY INFORMATION**

**TSCA Inventory Status:**

Chemical components are listed on the TSCA inventory.

**SARA 313**

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

Regulated as "Zinc Compounds"; De Minimis concentration = 1.0%  
Component 2-Mercaptobenzothiazole

**RCRA Status:** If discarded in its purchased form, this product would not be a hazardous waste as defined in 40CFR 261, Subpart C.

**HMIS Classification:** HEALTH 1 FLAMMABILITY 1 REACTIVITY 0

**SECTION 16 - OTHER INFORMATION**

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