



Material Safety Data Sheet

(in compliance with 29 CFR 1910.1200)

Page 1 of 4

SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTIFIER: ACCELERATOR MBD GRANULES/POWDER-D

Manufactured for and supplied by:

Harwick Standard Distribution Corporation
60 South Seiberling Street
P.O. Box 9360
Akron, Ohio 44305-0360

Telephone #: 330-798-9300
Date prepared: December 18, 2009
Preparer: Health, Safety & Environment
Product Use: Accelerator

SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

| Components Chemical Identity | CAS Number | LD ₅₀ of Ingredient | LC ₅₀ of Ingredient | % |
|--|------------|-----------------------------------|-----------------------------------|-----|
| 4-morpholinyle-2-benzothiazole disulfide | 95-32-9 | Oral (rat) 11500 mg/kg | | >99 |

SECTION 3 - HAZARD(S) IDENTIFICATION

Primary routes of exposure:

Inhalation **Skin contact** **Eye contact** **Skin absorption** **Ingestion**

Emergency Overview: WARNING! Dust suspended in air in critical proportions and in the presence of an ignition source may present an explosion hazard.

Potential Health Effects: May cause allergic skin reaction. This material may cause irritation to the eyes, skin and upper respiratory tract.

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.

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

Skin contact: Remove contaminated clothing. Wash skin with water, using soap if available. Launder clothing before reuse. Seek medical attention if irritation persists

Eye contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and seek medical attention if irritation persists.

Notes to Physician: Provide symptomatic/supportive care as necessary. Treatment based on sound judgement of physician and individual reactions of patient. Observe for signs of respiratory distress.



SECTION 5 – FIRE FIGHTING MEASURES

Flash point (method): Not determined

Extinguishing media: Use dry chemical, CO₂, water spray or foam. Co₂ may be ineffective on larger fires due to lack of cooling capacity, which may result in re-ignition.

General hazard: Dust suspended in air in critical proportions and in the presence of an ignition source may present an explosion hazard.

Special fire fighting procedures: Pouring or allowing material to free-fall or to be conveyed through chutes or pipes can accumulate and generate electrostatic sparks, potentially causing ignition of material itself, or of any flammable materials which may come in contact with material or its container.

Unusual fire and explosion hazards: Toxic emissions may result if product is involved in a fire. Fire produces highly toxic sulfur dioxide gas.

Hazardous combustion products: Sulfur oxides, nitrogen oxides, carbon dioxides and morpholine.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Leak & Spill Procedure: Isolate area and remove sources of friction, impact, heat, low level electrical current, and RF energy. Isolate spill and stop leak if without risk. Remove ignition sources and work with non-sparking tools. Wear protective equipment. Do not spread spill material with water. Avoid generation of dust. Scoop or shovel and place into a tightly sealed container for disposal. Prevent spilled product from entering drinking water supplies or streams.

SECTION 7 - HANDLING AND STORAGE

Handling: Avoid generation of dust. Do not breathe dust. Do not ingest. Do not use in presence of electrostatic discharge. Ground all equipment container material. Wash thoroughly after use.

Storage: Store closed containers in a cool, dry, well-ventilated area. Keep containers tightly closed. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits: Not available

Respiratory protection (specify type): A NIOSH/MSHA approved respirator above PEL or TLV, and/or an organic vapor respirator for vapors or mists.

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

Protective gloves: Impervious

Eye protection: Chemical goggles

Skin protection: Coveralls

Other protective clothing or equipment: Lab coat



SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

| | | | |
|----------------------------|-------------------------|--|--------------------|
| Boiling point: | Not available | Specific gravity: | 1.51 |
| Freezing point: | Not available | pH: | Not available |
| Vapor pressure (mm Hg): | Not available | Odor threshold (ppm): | Not available |
| Vapor density (AIR=1): | Not available | Coefficient of water/oil distribution: | Not available |
| Solubility in water: | Insoluble in cold water | Evaporation rate: | Not available |
| Appearance/Physical state: | Granule/Powder | Odor: | Not available |
| Form: | Solid | Color: | Cream to Yellowish |

SECTION 10 - STABILITY & REACTIVITY

Stability **Stable:**
 Unstable:

General: Prolonged storage above 110°F will initiate chemical changes.

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

Incompatibility (materials to avoid): Avoid contact with nitrosating agents. Combining with N-nitrosamines, nitrogen oxides, nitrates, or nitrites and/or other nitrosating agents, such as Nnitrosodiphenylamine, may lead to the formation of nitrosamines, which may cause cancer. Reacts with strong oxidizing agents, such as hydrogen peroxide, permanganates and perchlorates. Contact can result in intense heat, boiling flame, development, explosion or toxic gas generation depending on the amount and specific material involved.

Hazardous decomposition or byproducts: Sulfur oxides, nitrogen oxides, carbon dioxides and morpholine.

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

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute: May be harmful if swallowed. May irritate skin upon contact. May cause skin sensitization. This product is an eye irritant. May cause respiratory tract irritation.

Chronic: None known.

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.

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: None known.

SARA Sections 311 & 312

Superfund Amendments & Reauthorization Act of 1986 Title III: None known.

RCRA status

The following chemical components are listed under (40 CFR 261): Not RCRA waste.

HMIS Classification: HEALTH 2 FLAMMABILITY 1 REACTIVITY 0

SECTION 16 - OTHER INFORMATION

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