



Material Safety Data Sheet

(in compliance with 29 CFR 1910.1200)

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SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTIFIER: ACCELERATOR TMTM POWDER-D

Manufactured for and supplied by: Telephone no: (330) 798-9300

Harwick Standard Distribution Corporation Date prepared: December 2, 2009
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 ₅₀ (mg/kg) of Ingredient	LC ₅₀ (mg/kg) of Ingredient	%
Tetramethyl thiuram monulfide	97-74-5	Oral/rat 1300 mg/kg		>97.5
White Mineral Oil (oiled powder only)	8042-47-5			<0-2

SECTION 3 - HAZARD(S) IDENTIFICATION

Primary routes of exposure:

Inhalation Skin contact Eye contact Skin absorption Ingestion

Emergency Overview: WARNING! May cause eye, skin and respiratory tract irritation. Fine dust clouds may form explosive mixtures with air. May cause alcohol intolerance. Toxic to aquatic life.

Potential Health Effects: Material is irritating to skin, eyes, and respiratory tract. Repeated or prolonged skin contact may cause skin irritation or skin sensitization effect. Exposure immediately before or after drinking alcoholic beverages may cause antabuse effect (nausea, vomiting, dizziness).

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.

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Skin contact: Remove contaminated clothing. Immediately 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. Exposure by ingestion, inhalation or skin absorption may cause alcohol intolerance (Antabuse Effect).

SECTION 5 – FIRE FIGHTING MEASURES

Flash point (method): 318°F Pensky-Martens Open Cup

Autoignition Temperature: 482°F

Extinguishing media: Water spray, carbon dioxide, foam, dry chemical.

Special fire fighting procedures: Fight fire from a safe distance and from a protected location. Use water spray to cool fire exposed surfaces. Decomposition in fire may produce toxic gases. Do not allow runoff to enter waterways.

Unusual fire and explosion hazards: Toxic emissions may result if product is involved in a fire.

Hazardous combustion products: Oxides of carbon, nitrogen and sulfur.

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 possible with being safe. Remove ignition sources and work with non-sparking tools. Scoop up and remove. Do NOT spread spilled product with water. Wear protective equipment specified. Avoid generation of dust. Avoid ingestion and inhalation of dust. Scoop and place into container for disposal. Keep container closed.

SECTION 7 - HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin and clothing. Prevent dust accumulation. Avoid generating or breathing dust. Wash thoroughly with soap and water after handling. Wash hands before eating, drinking and chewing gum, using tobacco or using the toilet. Do not reuse this container. Close containers of unused product.

Storage: Store closed containers in a cool, dry, well-ventilated area. Store away from strong oxidizing materials. Avoid exposure to direct sunlight. Avoid ignition sources such as sparks and flame.

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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: Normal work coveralls. Launder contaminated clothing before reuse.

Other protective clothing or equipment: Not available

Work/hygienic practices: Not available

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Boiling point:	Not determined	Specific gravity:	1.37-1.40 @ 20°C
Freezing point:	Not determined	pH:	Not determined
Melting point:	101°C	Molecular weight:	208.38
Vapor pressure (mm Hg):	Not determined	Odor threshold (ppm):	Not determined
Vapor density (AIR=1):	Not determined	Coefficient of water/oil distribution:	Not determined
Solubility in water:	Insoluble	Evaporation rate:	Not determined
Appearance (physical state):	Yellow powder/granules	Odor:	Slight aromatic

SECTION 10 - STABILITY & REACTIVITY

Stability **Stable:**
Unstable:

Conditions to avoid (conditions of reactivity): Not determined.

Incompatibility (materials to avoid): Avoid contact with acids, oxidizers, high heat.

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Hazardous decomposition or byproducts: Oxides of carbon, nitrogen and sulfur.

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

Conditions to avoid: Avoid ignition sources.

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute: May cause allergic skin reaction. Causes mild eye irritation. May cause respiratory irritation. May cause alcohol intolerance (Antabuse Effect). May cause headache, dizziness, nausea, vomiting and gastrointestinal irritation.

Chronic: Repeated or prolonged skin contact may cause skin irritation or skin sensitization effect.

Carcinogenicity

Alkyl thiurams may react with nitrosating agents to form nitrosamines, which are suspected carcinogens. Traces of nitrosamines may be formed during rubber vulcanization.

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

Reproductive toxicity: Not genotoxic.

Neurotoxicity: Polyneuropathy and peripheral neuritis have been reported as side effects in patients taking this material as a prescription medication.

SECTION 12 - ECOLOGICAL INFORMATION

Toxicity: Toxic to aquatic life.
96HR LC50 Guppy: 320 micrograms/liter
Zebrafish Early Life State-No Effect Concentration (hatching): 3.2 micrograms/liter

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

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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: Immediate

RCRA status

The following chemical components are listed under (40 CFR 261): None known

FDA Status 21 CFR: Regulated for Use under the following 21 CFR sections:

177.2600 - Rubber Articles Intended for Repeated Use

175.105 – Components of Adhesives

HMIS Classification: HEALTH 2 FLAMMABILITY 1 REACTIVITY 0

SECTION 16 - OTHER INFORMATION

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