



SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT IDENTIFIER: ACCELERATOR TBBS GRANULES/PWD-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	%
N-tert-Butyl-2-Benzothiazolesulfenamide	95-31-8	Oral (Rat) >6000 mg/kg		>97
White mineral oil (oiled powder only)	8042-47-5			≤3

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. This material is irritating to skin, eyes and respiratory tract. Keep away from heat, sparks and flame. Ingestion of large amounts may cause damage to the liver and kidneys.

Potential Health Effects: This material is irritating to skin, eyes, and respiratory tract. Prolonged skin contact can cause allergic reactions.

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.

SECTION 5 – FIRE FIGHTING MEASURES

Flash point (method): 330°F Cleveland Open Cup

Autoignition Temperature: 660°F

Extinguishing media: Water spray, foam or dry chemical.

Special fire fighting procedures: Fight fire from a safe distance and from a protected location. Combustible dust when in a finely divided and highly suspended state. 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: Avoid ignition sources such as sparks and flames. Toxic emissions may result if product is involved in a fire. Fire produces highly toxic sulfur dioxide gas.

Hazardous combustion products: CO₁, NO_x, Oxides of sulfur. Amines.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Leak & Spill Procedure: Isolate area and remove sources of friction, impact, heat, low level electrical current, and RF energy. Scoop up and remove. Do NOT spread spilled product with water. Wear protective equipment specified. Avoid generation of dust. Scoop and place into container for disposal. Keep container closed.

SECTION 7 - HANDLING AND STORAGE

Handling: Good hygienic practices should be observed. Work clothes should be washed separately at the end of each workday. Disposable clothing should be discarded with material. Avoid contact with eyes, skin and clothing. 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: Prevent dust accumulation. Store closed containers in a cool, dry, well-ventilated area. Store away from strong oxidizing materials. Avoid ignition sources such as sparks and flames. Avoid exposure to direct sunlight. Do not store near Crystex Insoluble Sulfur. Slowly degrades and releases irritating vapors under warm, humid conditions.

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SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:

N-tert-Butyl-2-Benzothiazolesulfenamide

OSHA PEL/8hr TWA: 15 mg/m³ (total dust) – 5 mg/m³ (respirable dust)
ACGIH TLV/8 hr TWA: 10 mg/m³

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:	1.29-1.32 @ 25°C
Melting point:	103°C	Molecular weight:	238.4
Freezing point:	Not determined	pH:	Not determined
Vapor pressure (mm Hg):	Below 0.0001 mmHg @ 122°F	Odor threshold (ppm):	Not determined
Vapor density (AIR=1):	Not determined	Coefficient of water/oil distribution:	Not determined
Solubility in water:	Below 1mg/l @ 122°F	Evaporation rate:	Not determined
Appearance (physical state):	Off-white powder/granules	Odor:	Slight Amine

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Material Safety Data Sheet

(in compliance with 29 CFR 1910.1200)

Chemical Fate Information:
Other Information:

Bioconcentration Factor: 310 (calculated)
Rapid degradation via hydrolysis. Tests indicate this material will not bioaccumulate or persist in the environment.

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 Sections 311 & 312

Superfund Amendments & Reauthorization Act of 1986 Title III: Immediate, delayed, fire

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.

RCRA status

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

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

177.2600 - Rubber articles intended for repeated contact with food

HMIS Classification: HEALTH 2 FLAMMABILITY 1 REACTIVITY 0

SECTION 16 - OTHER INFORMATION

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