



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 ETU 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 2, 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	%
Ethylene Thiourea	96-45-7	Oral – Rat 265 mg/kg Oral – Mouse 3000 mg/kg		≥97
White Mineral Oil (oiled powder only)	8042-47-5			≤2

SECTION 3 - HAZARD(S) IDENTIFICATION

Primary routes of exposure:

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

Emergency Overview: WARNING! Do not inhale! Toxic if swallowed. ETU is a goitrogen, teratogen and carcinogen. Avoid eye contact. Avoid skin contact.

Potential Health Effects: ETU may cause myxedema, goiter and other effects to decreased output of thyroid hormone. ETU may have effects on the thyroid and liver. May cause eye irritation. Eye contact with material vapors can cause severe eye irritation. Repeated or prolonged skin contact may cause skin irritation or skin sensitization.

SECTION 4 – FIRST AID MEASURES

Inhalation: Remove person to fresh air. If not breathing, give artificial respiration. Seek immediate medical attention.

Ingestion: If swallowed, immediately contact a physician. 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 soap and water. Launder clothing before reuse. Seek medical attention if irritation persists

Eye contact: In case of contact, immediately flush eyes with plenty of water while lifting and lower eyelids for at least 15 minutes. Seek medical attention.



SECTION 5 – FIRE FIGHTING MEASURES

- Flash point (method):** Not Available
- Extinguishing media:** Use water spray, carbon dioxide, foam, or 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. Oxides of nitrogen. Oxides of sulfur.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Leak & Spill Procedure: Wear protective clothing. Avoid ingestion and inhalation of dust. Isolate area. Remove ignition sources and work with non-sparking tools. Do NOT spread spilled product with water. Avoid the generation of dust. Scoop and place into closable container for disposal.

SECTION 7 - HANDLING AND STORAGE

- Handling:** Avoid contact with eyes, skin and clothing. Prevent dust accumulation. Avoid generating or breathing dust. Wash thoroughly with after handling. Re-close containers of unused product. Keep containers tightly closed when not in use. Avoid ignition sources such as sparks and flames.
- Storage:** Store closed containers in a cool, dry, well-ventilated area. Store away from strong oxidizing materials. Avoid exposure to direct sunlight.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

- Respiratory protection (specify type):** A NIOSH approved full face organic cartridge filter respirator, air supplied respirator or SCBA.
- Ventilation:** **Local exhaust:** Recommended to minimize exposure.
Mechanical (general): Recommended to minimize exposure.
- Protective gloves:** Chemical resistant gloves
- Eye protection:** Chemical goggles
- Skin protection:** Normal work coveralls. Launder contaminated clothing before reuse.



SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Boiling point:	Not available	Specific gravity:	1.22 @ 25°C
Melting point:	203-204	Molecular weight:	102.17
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:	9 gr/100 ml @ 30°C	Evaporation rate:	Not available
Appearance/Physical state:	Powder	Odor:	No noticeable odor
Form:	Solid	Color:	Off white

SECTION 10 - STABILITY & REACTIVITY

Stability **Stable:**
 Unstable:

Conditions to avoid (conditions of reactivity): Keep away from heat, sparks and flame. Avoid contact with strong oxidants.

Incompatibility (materials to avoid): Contact with oxidizing agents.

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

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

SECTION 11 - TOXICOLOGICAL INFORMATION

Carcinogenicity:

Effects on the thyroid and increased liver weights were observed in studies that chronically exposed rodents to ETU in their diet. ETU has been shown to be a potent teratogen in rats orally or dermally exposed, causing central nervous system skeletal abnormalities.

A study of female workers occupationally exposed to ETU reported no increased incidence of thyroid cancers. Increased incidences of thyroid carcinomas and also hepatomas have been observed in rats and mice orally exposed to ETU. The U.S. EPA has classified ETU in Group B2: Probable human carcinogen. The International Agency for Research on Cancer (IARC) has classified ETU in Group 2B: Possible human carcinogen. The State of California has determined under Proposition 65 that ETU is a carcinogen.

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



SECTION 12 - ECOLOGICAL INFORMATION

Not available

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste disposal method: In accordance with federal, state, and local regulations. Material is a HAZARDOUS WASTE.

SECTION 14 - TRANSPORTATION INFORMATION

Special shipping information: DOT Regulated

SECTION 15 - REGULATORY INFORMATION

TSCA Inventory Status:

Chemical components are listed on the TSCA inventory.

RCRA status

The following chemical components are listed under (40 CFR 261): RCRA Waste Number U116

HMIS Classification: HEALTH 2 FLAMMABILITY 1 REACTIVITY 0

SECTION 16 - OTHER INFORMATION

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