



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 DETU CR

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	%
N,N'-Diethylthiourea	105-55-5	Oral – Rat 316 mg/kg Oral – Mouse 681 mg/kg		≥98
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! Combustible dust – explosion potential! Causes eye irritation. May irritate the skin. Causes respiratory irritation.

Potential Health Effects: May cause eye irritation. May cause allergic skin reaction. Exposure to dust particles generated from this material may cause irritation to the 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 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 and seek medical attention if irritation persists.

Notes to Physician: Treat symptomatically.

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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:** Carbon monoxide. Oxides of nitrogen. Oxides of sulfur.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Leak & Spill Procedure: Wear protective clothing. Isolate area. Remove ignition sources and work with non-sparking tools. Do NOT spread spilled product with water. Avoid the generation of dust. Avoid ingestion and inhalation 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:	1.1-1.4 @ 25°C
Melting point:	74°C	Molecular weight:	132.23
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	Evaporation rate:	Not available
Appearance/Physical state:	Powder/Crystal	Odor:	Slight amine
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: Carbon monoxide. Oxides of nitrogen. Oxides of sulfur.

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

SECTION 11 - TOXICOLOGICAL INFORMATION

Carcinogenicity:

The National Cancer Institute (NCI) fed rats 125-250ppm and mice 250-500 ppm of DETU for 103 weeks. The NCI found elevated incidences of thyroid follicular-cell carcinomas in male rats and elevated incidences of follicular-cell neoplasms of the thyroid in female rats. The NCI found no evidence of DETU carcinogenicity in mice.

Though the IARC claims DETU causes thyroid follicular-cell epithelium in rodents, it asserts the evidence of DETU carcinogenicity in animals is limited, and places DETU in Group 3 for human carcinogenicity (not classifiable as to carcinogenicity to humans). In October 2000, the IARC, reevaluated 19 Chemicals that are carcinogenic to the thyroid follicular-cell epithelium in rodents. From available epidemiological studies, according to the IARC, there was no indication of excess thyroid cancer risk in humans exposed to DETU.

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



SECTION 12 - ECOLOGICAL INFORMATION

Please write to the address in Section 1 for ecological information.

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

RCRA status

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

HMIS Classification: HEALTH 2 FLAMMABILITY 0 REACTIVITY 0

SECTION 16 - OTHER INFORMATION

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