



# 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 DOTG PWD-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 <sub>50</sub> of Ingredient	LC <sub>50</sub> of Ingredient	%
Diorthotolylguanidine	97-39-2	Oral (Rat): 134 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! Toxic if swallowed. May form combustible dust –explosion potential. May be irritating to skin. May be skin sensitizer.

**Potential Health Effects:** Harmful if swallowed. May cause irritation to eyes. May cause irritation to skin. Dust may irritate the nose, throat and lungs.

## 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 and shoes. Flush skin with water for at least 15 minutes. Cover irritated skin with an emollient. Launder clothing before reuse. Clean shoes before reuse. Seek medical attention.

**Eye contact:** In case of contact, immediately flush eyes with plenty of water while holding eyelids away from eyeball for at least 15 minutes and seek medical attention.



#### SECTION 5 – FIRE FIGHTING MEASURES

**Flash point (method):** Not applicable.

**Extinguishing media:** Water spray, water fog, foam, or dry chemical powder.

**Special fire fighting procedures:** Fire fighters should wear full protective clothing, including self-contained breathing equipment.

**Unusual fire and explosion hazards:** Emits toxic fumes under fire conditions: hydrogen cyanide (HCN), carbon oxides (CO, CO<sub>2</sub>), nitrogen oxides (NO, NO<sub>2</sub>) and ammonia. Conveyance through chutes or pipes can generate dust and electrostatic sparks, potentially causing ignition of the material or even explosion.

#### SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Leak & Spill Procedure:** Wear protective equipment. Avoid generation of dust. Scoop or shovel and place into a tightly sealed container for disposal. Do not flush into drinking water supplies or streams.

#### SECTION 7 - HANDLING AND STORAGE

**Handling:** Avoid contact with eyes, skin and clothing. Avoid breathing dust. Avoid generating dust. Wash thoroughly with soap and water after handling. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Do not eat, drink or smoke when using. Use explosion proof equipment. Keep away from heat, sparks and flame. Ground all equipment containing material. Re-close containers of unused product. Keep containers tightly closed when not in use. Do not reuse this container.

**Storage:** Store closed containers in a cool, dry, well-ventilated area. Keep away from food, drink and animal feeding stuffs.

#### 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:** Safety shoes. Lab coat.

**Work/hygienic practices:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.



**SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES**

Boiling point:	Not available	Specific gravity:	1.01-1.02
Melting/Sublimation point:	165°C Min	Molecular Weight:	239.32
Freezing point:	Not available	pH:	Not available
Vapor pressure (mm Hg):	Not available	Odor threshold (ppm):	
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:	Powder	Odor:	Not available
Form:	Solid	Color:	Gray 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. Avoid contact with strong acids.

**Incompatibility (materials to avoid):**                      Strong oxidizing agents. Strong acids.

**Hazardous decomposition or byproducts:**                      Hydrogen cyanide (HCN), carbon oxides (CO, CO<sub>2</sub>), nitrogen oxides (NO, NO<sub>2</sub>) and ammonia.

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

**SECTION 11 - TOXICOLOGICAL INFORMATION**

**Acute:**                      Eye irritant. May cause skin irritation. May cause skin sensitization. Harmful if ingested. Sensitization effects may be involved and reaction may be severe. Bitter taste left in mouth after exposure. Dust may irritate nose, throat and lungs.

**Carcinogenicity Effects:**  
Classified A3 (Proven for animal.) by ACGIH. Classified as 2B (Possible for human.) by IARC [orthotoluidine]. Classified 2 (Suspected for human.) by European Union [orthotoluidine].

**Reproductive toxicity:** Not available.

**SECTION 12 - ECOLOGICAL INFORMATION**

**Aquatic Toxicity:**                      Not available.

**Products of Biodegradation:**                      Hazardous short-term degradation products are not likely. Long-term degradation products may arise.



**SECTION 13 - DISPOSAL CONSIDERATIONS**

**Waste disposal method:** In accordance with federal, state, and local regulations.

**SECTION 14 - TRANSPORTATION INFORMATION**

**Special shipping information:** **DOT shipping name:** Toxic solid, organic n.o.s. (diorthotolylguanidine), 6.1, UN2811, III

**SECTION 15 - REGULATORY INFORMATION**

**TSCA Inventory Status:**

Chemical components are listed on the TSCA inventory.

**HMIS Classification:** HEALTH 3 FLAMMABILITY 1 REACTIVITY 0

**SECTION 16 - OTHER INFORMATION**

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