

# WESTERN RESERVE CHEMICAL

4837 DARROW RD. PH# 330-650-2244  
STOW, OHIO 44224 Fax# 330-650-2255  
CHEMTREC 1-800-424-9300 (USA)

## MATERIAL SAFETY DATA SHEET

### DOTG

CAS #

**97-39-2**

#### 1. Product Identifications

Product Name: DOTG  
Chemical Name: N,N'-di-O-tolylguanidine  
Formula: C<sub>15</sub>H<sub>17</sub>N<sub>3</sub>

#### 2. Physical Description/Properties

Specific Gravity: 1.2  
Melting Point (C° Min): 168  
PH Value: NA  
Appearance: Grayish white pellet or powder  
Odor: NA  
Taste: NA  
Solubility: Soluble in acetone. Insoluble in cold water, slightly soluble in warm water  
Volatiles % <0.3  
Ash % <0.3

#### 3. Hazard Information

##### **Combustible dust**

Keep away from heat, sparks and flame.  
Eye irritant-Can cause redness, tearing and swelling.  
Skin contact may cause allergic reaction or drying of skin.  
Inhalation may cause upper respiratory irritation, nose soreness and coughing.  
Harmful if ingested.

#### 4. First Aid Information

Skin: Remove contaminated clothing and wash before re-use.  
Immediately wash contaminated skin with running water.

## **Material Safety Data Sheet /DOTG/ Page 2**

Ingestion: Immediately rinse mouth with water. Induce vomiting only at the instruction of a physician. Seek immediate medical attention.

Eyes: Flush with water for 15 minutes. Seek medical attention if irritation persists.

Inhalation: Remove person to fresh air. Get immediate medical attention if breathing is difficult or short.

### **5. Handling and Storage**

Storage: Store in a dry well-ventilated area avoiding direct exposure to sunlight

Stability in storage: one year

### **6. Employee Protection Recommendations**

The employee should wear protective clothes and avoid direct physical contact with the product.

Eye Protection: Wear chemical safety glasses or goggles

Hand Protective Requirements: Wear protective gloves.

Skin Protective Requirements: Wear overalls.

Ventilation: Local exhaust

### **7. Toxicological Information**

Low toxicity

LD50 acute oral for rats: 134 mg/kg

LD50 acute skin for rabbit: >4417mg/kg

### **8. Fire and Explosion Data**

Flash point: Not available

Exposure standard limits: Not available

Flammable

Extinguish Media: Spray water, Carbon Dioxide, foam, sand or dry chemical.

### **9. Reactivity**

Chemical stability: Stable when stored in original container protected from heat and moisture.

Hazardous Polymerization: Does not occur.

## Material Safety Data Sheet /DOTG/ Page 3

Materials to avoid: Strong oxidizers, acids.  
Hazardous products of  
decomposition: Oxides of nitrogen and carbon, hydrogen cyanide.

### **10. Accidental Release and Disposal**

Spills: Sweep and place in closable container. Avoid generation of dust.  
Wear appropriate protective clothing and safety devices. Do not use water to  
remove spilled material.

Disposal: Bury waste and empty containers in licensed landfill in adherence  
to federal, state and local regulations.

### **11. Transportation Information**

DOT Status	Class 6.1.Poison
DOT shipping name	Toxic solid,N.O.S. N,N'di-o- tolyguanidine,6.1, UN2811,PG111
DOT reportable qty. (lbs)	NA
UN/NA number	2811

### **12. Regulatory Information**

Worldwide Inventory Status	
TSCA (USA):	Listed
Canadian DSL:	Listed
Canadian NDSL:	Not Applicable. Listed on the DSL.
EINECS/ELINCS (Europe):	Listed
Japanese Inventory (ENCS):	Listed
Korean Chemical Inventory (ECL):	Listed
Australian Chemical Inventories (AICS):	Listed
New Zealand (NZ):	Listed
Phillipines (PICCS) Inventory:	Listed
China (CLECS):	Listed
US Regulatory Rules	
SARA Section 302:	None Found
SARA 311/312 Hazard Categories:	Immediate
SARA 313 Chemical:	NONE
RCRA Status:	Hazardous Waste
Other Regulations:	

## Material Safety Data Sheet /DOTG/ Page 4

California Proposition 65:	NONE
New Jersey Right-to-Know List:	Listed
Pennsylvania Right to Know List:	Listed
Florida Right to Know:	NA
Minnesota Right to Know:	Listed
MA Right to Know Law:	Listed

FDA Status 21 CFR:	Regulated for Use under the following sections of 21 CFR: 177.2600 Rubber Articles Intended for Repeated use in Food Contact. 175.105 Components of Adhesives. 178.3120 Animal Glue.
--------------------	--

Canadian Regulations WHMIS Hazard Class:	D1B VERY TOXIC MATERIALS. D2A VERY TOXIC MATERIALS D2B TOXIC MATERIALS/Materials Causing Other Toxic Effects
---	--

NPRI:	NA
-------	----

### **13. Other Information**

HMIS Classification Health 3 Flammability 1 Reactivity 0

OSHA: Hazardous by definition of Hazard Communication Standard  
29CFR 1910.1200

Important Note: The information provided is without warranty regarding its accuracy or completeness. The information may not be valid under all conditions. The user has the final responsibility for determining the suitability of the product in a given application.

5/05