

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : Westco DOTG

#### 1.2. Recommended use and restrictions on use

Use of the substance/mixture : Accelerator  
Rubbers  
Restrictions on use : Do not use for medical-clinical purposes, Do not use for products which come into contact with the food stuffs

#### 1.3. Supplier

Western Reserve Chemical Corporation  
4837 Darrow Road  
Stow, OH 44224 - USA  
T 330 650 2244 - F 330 650 2255  
[www.wrchem.com](http://www.wrchem.com)

#### 1.4. Emergency telephone number

Emergency number : CHEMTREC 1 800 424 9300 USA

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS classification

Acute toxicity (oral), Category 3 H301 Toxic if swallowed.  
Carcinogenicity, Category 1A H350 May cause cancer.

Full text of H statements : see section 16

#### 2.2. GHS Label elements, including precautionary statements

##### GHS-US labelling

Hazard pictograms (GHS) :



Signal word (GHS) : Danger  
Hazard statements (GHS) : H301 - Toxic if swallowed.  
H350 - May cause cancer.  
Precautionary statements (GHS) : P201 - Obtain special instructions before use.  
P202 - Do not handle until all safety precautions have been read and understood.  
P264 - Wash hands, forearms and face thoroughly after handling.  
P270 - Do not eat, drink or smoke when using this product.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P310 - If swallowed: Immediately call a poison center or doctor.  
P308+P313 - If exposed or concerned: Get medical advice/attention.  
P321 - Specific treatment (see supplemental first aid instruction on this label).  
P330 - Rinse mouth.  
P405 - Store locked up.  
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

#### 2.3. Other hazards which do not result in classification

No additional information available

#### 2.4. Unknown acute toxicity (GHS\_US)

Not applicable

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

# Westco DOTG

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Name	Product identifier	%	GHS classification
1,3-di-o-tolylguanidine	(CAS-No.) 97-39-2	59 – 99	Acute Tox. 3 (Oral), H301
White mineral oil	(CAS-No.) 8042-47-5	< 2	Asp. Tox. 1, H304
o-toluidine (Impurity)	(CAS-No.) 95-53-4	≤ 0.1	Flam. Liq. 4, H227 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Inhalation), H331 Eye Irrit. 2A, H319 Carc. 1A, H350 Aquatic Acute 1, H400

\*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

Full text of hazard classes and H-statements : see section 16

### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : If inhaled and if breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. Get medical advice/attention if you feel unwell.
- First-aid measures after skin contact : Wash skin thoroughly with mild soap and water. Take off contaminated clothing and wash it before reuse. Get medical advice/attention.
- First-aid measures after eye contact : Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if pain, blinking or redness persists.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Drink two glasses of water. Sip water. If vomiting occurs have person lean forward.

#### 4.2. Most important symptoms and effects (acute and delayed)

- Symptoms/effects : May cause cancer.
- Symptoms/effects after inhalation : Dust from this product may cause irritation to the respiratory tract.
- Symptoms/effects after skin contact : May cause slight irritation.
- Symptoms/effects after eye contact : May cause slight irritation.
- Symptoms/effects after ingestion : Toxic if swallowed. Swallowing a small quantity of this material will result in serious health hazard. May cause a light irritation of the linings of the mouth, throat, and gastrointestinal tract.

#### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Small fires: dry extinguishing powder. Large fires: Water spray. Water fog. Foam.
- Unsuitable extinguishing media : Do not use a heavy water stream.

#### 5.2. Specific hazards arising from the chemical

- Fire hazard : Burning produces irritating, toxic and noxious fumes. Carbon oxides (CO, CO<sub>2</sub>). Nitrogen oxides. ammonia. Hydrogen cyanide.
- Explosion hazard : Product is not explosive.

#### 5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment. Evacuate area.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Wear a self contained breathing apparatus. Wear fire/flame resistant/retardant clothing.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Avoid creating or spreading dust. Avoid contact with skin, eyes and clothing. Do not breathe dust.

##### 6.1.1. For non-emergency personnel

- Protective equipment : Refer to section 8.2.
- Emergency procedures : Evacuate unnecessary personnel.

# Westco DOTG

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### 6.1.2. For emergency responders

- Protective equipment : Refer to section 8.2.  
Emergency procedures : Ventilate area.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

- For containment : Contain and collect as any solid. Scoop up and store in non-combustible container.  
Methods for cleaning up : Minimise generation of dust. Store away from other materials. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact with skin, eyes and clothing. Avoid creating or spreading dust. Do not breathe dust.  
Hygiene measures : Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep only in original container. Keep container closed when not in use.  
Incompatible products : Strong oxidizers. Strong acids.  
Incompatible materials : Sources of ignition. Direct sunlight.  
Storage area : Store in dry, cool, well-ventilated area.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

<b>Westco DOTG</b>
No additional information available
<b>1,3-di-o-tolylguanidine (97-39-2)</b>
No additional information available
<b>White mineral oil (8042-47-5)</b>
No additional information available
<b>o-toluidine (95-53-4)</b>
No additional information available

### 8.2. Appropriate engineering controls

- Appropriate engineering controls : Avoid creating or spreading dust. Avoid dispersal of dust in the air (ie, clearing dust surfaces with compressed air). Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Use enclosed processes where appropriate and possible. Provide local exhaust or general room ventilation.  
Environmental exposure controls : Avoid release to the environment. Prevent contaminated water run-off. Prevent leakage or spillage.

### 8.3. Individual protection measures/Personal protective equipment

#### Personal protective equipment:

Avoid all unnecessary exposure.

#### Hand protection:

Wear suitable gloves resistant to chemical penetration. neoprene gloves. nitrile rubber gloves. Butyl rubber gloves. PVC

#### Eye protection:

tightly fitting safety goggles

# Westco DOTG

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### Skin and body protection:

Wear suitable protective clothing. Long sleeved protective clothing. Chemical resistant apron

### Respiratory protection:

Wear appropriate mask. Dust mask. Half-mask. Particle filter

### Other information:

Do not eat, drink or smoke during use.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Powder.
Colour	: white pink
Odour	: odourless
Odour threshold	: No data available
pH	: No data available
Melting point	: 179 °C
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: Non flammable.
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 1.2
Density	: 1.1 g/cm <sup>3</sup>
Solubility	: Acetone: Moderately soluble
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive limits	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reactions known.

### 10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong oxidizers.

### 10.6. Hazardous decomposition products

Carbon oxides (CO, CO<sub>2</sub>). Nitrogen oxides. ammonia. Hydrogen cyanide.

# Westco DOTG

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity (oral) : Toxic if swallowed.  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

ATE (oral)	135.354 mg/kg bodyweight
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<b>1,3-di-o-tolylguanidine (97-39-2)</b>	
LD50 oral rat	134 mg/kg
LD50 dermal rabbit	4417 mg/kg
ATE (oral)	134 mg/kg bodyweight
ATE (dermal)	4417 mg/kg bodyweight

<b>White mineral oil (8042-47-5)</b>	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 inhalation rat (mg/l)	> 5 mg/l/4h

<b>o-toluidine (95-53-4)</b>	
ATE (oral)	100 mg/kg bodyweight
ATE (gases)	700 ppmv/4h
ATE (vapours)	3 mg/l/4h
ATE (dust,mist)	0.5 mg/l/4h

Skin corrosion/irritation : Not classified  
Serious eye damage/irritation : Not classified  
Respiratory or skin sensitisation : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : May cause cancer.

<b>White mineral oil (8042-47-5)</b>	
NOAEL (chronic, oral, animal/male, 2 years)	> 1200 mg/kg bodyweight No carcinogenic potential observed.
Additional information	Chronic dermal: mouse: Lack of significant effects. Chronic inhalation to various animal species at 5 and 100 mg/m3 doses: no adverse effects.

<b>o-toluidine (95-53-4)</b>	
IARC group	1 - Carcinogenic to humans
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen, Known Human Carcinogens

Reproductive toxicity : Not classified  
STOT-single exposure : Not classified  
STOT-repeated exposure : Not classified

<b>White mineral oil (8042-47-5)</b>	
NOAEL (subacute, oral, animal/male, 28 days)	> 1500 mg/kg bodyweight (dog)

Aspiration hazard : Not classified  
Viscosity, kinematic : No data available  
Likely routes of exposure : Inhalation. Skin and eye contact.  
Symptoms/effects : May cause cancer.  
Symptoms/effects after inhalation : Dust from this product may cause irritation to the respiratory tract.  
Symptoms/effects after skin contact : May cause slight irritation.  
Symptoms/effects after eye contact : May cause slight irritation.  
Symptoms/effects after ingestion : Toxic if swallowed. Swallowing a small quantity of this material will result in serious health hazard. May cause a light irritation of the linings of the mouth, throat, and gastrointestinal tract.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - water : Harmful to aquatic life with long lasting effects.

# Westco DOTG

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

<b>1,3-di-o-tolylguanidine (97-39-2)</b>	
LC50 fish 1	19.3 mg/l 96 h <i>Oryzias latipes</i>
EC50 crustacea	7.19 mg/l 48 h
NOEC chronic crustacea	2.84 mg/l 21 d

<b>White mineral oil (8042-47-5)</b>	
LC50 fish 1	3841 mg/l <i>Oncorhynchus mykiss</i>

<b>o-toluidine (95-53-4)</b>	
LC50 fish 1	82.5 mg/l 96 h
EC50 crustacea	0.52 mg/l 48 h

### 12.2. Persistence and degradability

<b>Westco DOTG</b>	
Persistence and degradability	May cause long-term adverse effects in the environment.

<b>1,3-di-o-tolylguanidine (97-39-2)</b>	
Persistence and degradability	Not readily biodegradable.
Biodegradation	0 % 28 d

<b>o-toluidine (95-53-4)</b>	
Persistence and degradability	Readily biodegradable.
Biodegradation	90 % 28 d

### 12.3. Bioaccumulative potential

<b>Westco DOTG</b>	
Bioaccumulative potential	Not established.

<b>1,3-di-o-tolylguanidine (97-39-2)</b>	
Log Pow	2.9 @ 25 °C

<b>o-toluidine (95-53-4)</b>	
Log Pow	1.4

### 12.4. Mobility in soil

<b>Westco DOTG</b>	
Ecology - soil	Not established.

### 12.5. Other adverse effects

Other information : Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Sewage disposal recommendations : Do not dispose of waste into sewer.  
Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.  
Ecology - waste materials : Avoid release to the environment. Hazardous waste due to toxicity.

## SECTION 14: Transport information

### Department of Transportation (DOT)

In accordance with DOT  
Transport document description : UN2811 Toxic solids, organic, n.o.s. (Diotolylguanidine), 6.1, III  
UN-No.(DOT) : UN2811  
Proper Shipping Name (DOT) : Toxic solids, organic, n.o.s.  
Diotolylguanidine  
Transport hazard class(es) (DOT) : 6.1 - Class 6.1 - Poisonous materials 49 CFR 173.132  
Packing group (DOT) : III - Minor Danger  
Hazard labels (DOT) : 6.1 - Poison



# Westco DOTG

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

DOT Packaging Non Bulk (49 CFR 173.xxx)	: 213
DOT Packaging Bulk (49 CFR 173.xxx)	: 240
DOT Packaging Exceptions (49 CFR 173.xxx)	: 153
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 100 kg
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 200 kg
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
Emergency Response Guide (ERG) Number	: 154
Other information	: No supplementary information available.

### Transport by sea

Transport document description (IMDG)	: UN 2811 TOXIC SOLID, ORGANIC, N.O.S. (Diotolyguanidine), 6.1, III
UN-No. (IMDG)	: 2811
Proper Shipping Name (IMDG)	: TOXIC SOLID, ORGANIC, N.O.S.
Class (IMDG)	: 6.1 - Toxic substances
Packing group (IMDG)	: III - substances presenting low danger
Limited quantities (IMDG)	: 5 kg

### Air transport

Transport document description (IATA)	: UN 2811 TOXIC SOLID, ORGANIC, N.O.S. (Diotolyguanidine), 6.1, III
UN-No. (IATA)	: 2811
Proper Shipping Name (IATA)	: TOXIC SOLID, ORGANIC, N.O.S.
Class (IATA)	: 6.1 - Toxic Substances
Packing group (IATA)	: III - Minor Danger

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

<b>o-toluidine (95-53-4)</b>	
Listed on EPA Hazardous Air Pollutant (HAPS)	
CERCLA RQ	100 lb

### 15.2. International regulations

#### CANADA

<b>1,3-di-o-tolyguanidine (97-39-2)</b>
Listed on the Canadian DSL (Domestic Substances List) inventory.
<b>White mineral oil (8042-47-5)</b>
Listed on the Canadian DSL (Domestic Substances List) inventory.
<b>o-toluidine (95-53-4)</b>
Listed on the Canadian DSL (Domestic Substances List) inventory.

#### National regulations

<b>o-toluidine (95-53-4)</b>
Listed on IARC (International Agency for Research on Cancer)
Listed as carcinogen on NTP (National Toxicology Program)

### 15.3. US State regulations

 **WARNING:** This product can expose you to o-toluidine, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

# Westco DOTG

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Component	State or local regulations
o-toluidine(95-53-4)	U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities; U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List

### SECTION 16: Other information

Data sources : TSCA Chemical Substance Inventory. Accessed at <http://www.epa.gov/oppt/existingchemicals/pubs/tscainventory/howto.html>. European Chemicals Agency (ECHA) C&L Inventory database. Accessed at <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>. ACGIH (American Conference of Government Industrial Hygienists). Manufacturer Information. Krister Forsberg and S.Z. Mansdorf, "Quick Selection Guide to Chemical Protective Clothing", Fifth Edition. National Fire Protection Association. Fire Protection Guide to Hazardous Materials; 10th edition. OSHA 29CFR 1910.1200 Hazard Communication Standard. NFPA 400-2013 Hazardous Materials Code.

Other information : None.

Full text of H-statements:

H227	Combustible liquid
H301	Toxic if swallowed.
H304	May be fatal if swallowed and enters airways.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H350	May cause cancer.
H400	Very toxic to aquatic life.

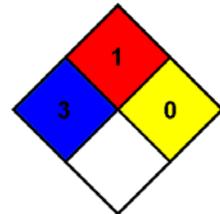
Abbreviations and acronyms:

	CAS (Chemical Abstracts Service) number
	EC50: Environmental Concentration associated with a response by 50% of the test population.
	GHS: Globally Harmonized System (of Classification and Labeling of Chemicals).
	LD50: Lethal Dose for 50% of the test population
	STEL: Short Term Exposure Limits
	TSCA: Toxic Substances Control Act
	TWA: Time Weighted Average

NFPA health hazard : 3 - Materials that, under emergency conditions, can cause serious or permanent injury.

NFPA fire hazard : 1 - Materials that must be preheated before ignition can occur.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and not reactive with water.



Hazard Rating

Health : 3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given

Flammability : 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)

Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

Personal protection : J  
J - Splash goggles, Gloves, Synthetic apron, Dust & vapor respirator

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*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*