


# Sovchem<sup>®</sup> DOTG

1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION	
Manufacturer Sovereign Chemical Company 4040 Embassy Parkway, Suite 190 Akron, OH 44333	Emergency Contact Chemtrec: 1-800-424-9300 (USA) (1)330-542-8400 (outside USA)
Trade Name(s): Sovchem <sup>®</sup> DOTG Oiled Powder	Chemical Name: 1,3-Di-o-tolyguanidine
Relevant identified uses of the substance or mixture and uses advised against: No further relevant information available.	Application of the substance/the preparation: Chemicals for synthesis.
Issued By: Sovereign Chemical Company 4040 Embassy Parkway, Suite 190 Akron, Ohio 44333	Date of Issue: June 1, 2026

## 2. HAZARDS IDENTIFICATION

### *Classification of the substance or mixture*

Information in accordance with US 29 CFR 1910.1200 (Hazcom 2012), Regulation (EC) No 1272/2008, 1907/2006/EC (REACH), and GHS.

Hazard Pictograms (CLP)	:  GHS06
Signal Word	: Danger
Hazard statements (CLP)	: H301 – Toxic if swallowed, Category 3 H412 - Harmful to aquatic life with long lasting effects, Category 3
Precautionary statements (CLP)	: P264- Wash hands thoroughly after handling P270 - Do not eat, drink or smoke when using this product P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P330 - Rinse mouth P405 – Store locked up P321 – Specific treatment (see supplemental first aid instructions on this label) P501 - Dispose of contents/ container to an approved waste disposal plant P273 - Avoid release to the environment
Other Hazard	: This substance does not meet the criteria for PBT / vPvB of REACH regulation, annex XIII

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance

Chemical Name	CAS No	EC No	Weight %	Classification
1,3-Di-o-tolylguanidine	97-39-2	202-577-6	≥ 97	H301 – Toxic if swallowed, Category 3 H412 - Harmful to aquatic life with long lasting effects, Category 3

**4. FIRST AID MEASURES**

*Description of first aid measures*

First-aid measures general: Take off immediately all contaminated clothing and wash it before reuse. Call a physician immediately.

First-aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing. Give oxygen or artificial respiration if necessary. Call a physician.

First-aid measures after skin contact: After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap.

First-aid measures after eye contact: Rinse eyes with water as a precaution.

First-aid measures after ingestion: Do not induce vomiting. Get medical advice/attention. Rinse mouth.

*Most important symptoms and effects, both acute and delayed*

General: Toxic if swallowed. Dust may irritate the nose, throat and lungs.

*Indication of any immediate medical attention and special treatment needed*

General: Persons with pre-existing skin, eye, or respiratory disease may be at increased risk from the irritant or allergic properties of this material. Attending physician should treat exposed patients symptomatically.

**5. FIRE FIGHTING MEASURES**

*Extinguishing media*

Suitable extinguishing agents: Water spray. Dry powder. Foam.

Unsuitable extinguishing agents: All other extinguishants.

*Special hazards arising from the substance or mixture*

General: Toxic fumes may be released.

*Advice for firefighters*

General: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

**6. ACCIDENTAL RELEASE MEASURES***Personal precautions, protective equipment and emergency procedures*

General measures: Ventilate spillage area. Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

*Environmental precautions*

General precautions: Avoid release to the environment.

*Methods and material for containment and cleaning up*

General methods and materials: Mechanically recover the product. Dispose of materials or solid residues at an authorized site.

*Reference to other sections*

Sections: See Section 7 for more information  
See section 8 for more information  
See section 13 for more information

**7. HANDLING AND STORAGE***Precautions for safe handling*

General: Ensure good ventilation of the workstation. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

*Conditions for safe storage, including any incompatibilities*

General: Store locked up. Store in a well-ventilated place. Keep cool.

*Specific end use(s)*

General: No other information available.

**8. EXPOSURE CONTROLS - PERSONAL PROTECTION**

*Control Parameters*

General: No additional information available

DNEL and PNEL

Rubber Accelerator DOTG (97-39-2)	
<b>DNEL/DMEL (Workers)</b>	
Long-term - systemic effects, dermal	1.7 mg/kg bw/day
Long-term - systemic effects, inhalation	0.6 mg/m <sup>3</sup>
<b>DNEL/DMEL (General population)</b>	
Long-term - systemic effects, oral	0.085 mg/kg bw/day
Long-term - systemic effects, inhalation	0.15 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	0.85 mg/kg bw/day
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	56.8 µg/L
PNEC aqua (marine water)	5.68 µg/L
PNEC aqua (intermittent, freshwater)	72 µg/L
<b>PNEC (Sediment)</b>	
PNEC sediment (freshwater)	1.78 mg/kg dwt
PNEC sediment (marine water)	0.178 mg/kg dwt
<b>PNEC (STP)</b>	
PNEC STP	10 mg/L
<b>PNEC (Soil)</b>	
PNEC soil	0.3222 mg/kg dwt

*Exposure controls*

Engineering controls: Ensure good ventilation of the workstation.

Personal protective equipment: Suitable protective clothing.

Eye protection: Safety glasses.

Hand protection: Protective gloves.

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazard: No additional information available.

Environmental exposure controls: Avoid release to the environment.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

*Information on basic physical and chemical properties*

Form: Solid powder or granule	Melting Point/Range: 175-179 °C
Color: Gray white	Boiling Point/Range: > 195 °C
Odor: Slight	Odor threshold: Not determined
pH: Not available	Flash point: Not applicable
Vapor Pressure: 0.00001 Pa @ 25 °C	Flammability: Nonflammable
Density at 20 °C: 0.286	Ignition temperature: Not applicable
Relative density: Not available	Decomposition temperature: Not available
Solubility: Water: 70 mg/l @ 20 °C	Partition coefficient (n-octanol/water): 2.9 @25 °C
Oxidizing properties: Not determined	Explosion limits: Lower: Not applicable Upper: Not applicable

Other information:

No further relevant information available.

## 10. STABILITY AND REACTIVITY

Reactivity:	The product is non-reactive under normal conditions of use, storage and transport.
Chemical Stability:	Stable under normal conditions.
Possibility of hazardous reactions:	No dangerous reactions known under normal conditions of use.
Conditions to avoid:	None under recommended storage and handling conditions.
Incompatible materials:	No additional information available.
Hazardous decomposition products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**11. TOXICOLOGICAL INFORMATION**

*Information on toxicological effects*

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

Rubber Accelerator DOTG (97-39-2)	
LD50 oral rat	85.3 mg/kg male; 56 mg/kg female
LD50 dermal rabbit	> 2000 mg/kg

Skin corrosion/irritation: Not classified  
 Serious eye damage: Not classified  
 Sensitization: Not classified  
 Germ cell mutagenicity: Not classified  
 Carcinogenicity: Not classified  
 Reproductive toxicity:  
 NOAEL (animal/male, F0/P): 10 mg/kg bodyweight  
 STOT single exposure: Not classified  
 STOT multiple exposure:  
 LOAEL (oral, rat, 90 days) 32 mg/kg rat, OECD 408  
 Aspiration hazard: Not classified  
 Endocrine disrupting properties: The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605  
 Other information: No information available

**12. ECOLOGICAL INFORMATION**

*Toxicity*  
 Ecology: Harmful to aquatic life with long lasting effects.  
 Acute aquatic toxicity: Not classified.



UN proper shipping name  
 DOT, ADR, ADN, IMDG, IATA, RID                      TOXIC SOLID, ORGANIC, N.O.S. (1,3-di-o-tolylguanidine)

Transport hazard class(es)  
 DOT, ADR, ADN, IMDG, IATA, RID                      6.1

Packing group  
 DOT, ADR, ADN, IMDG, IATA, RID                      III

Environmental hazards    No

Special precautions for user                                      Not data available

Transport in bulk according to Annex II of  
 MARPOL73/78 and the IBC Code                      Not applicable  
 UN "Model Regulation"

**15. REGULATORY INFORMATION**

*Safety, health and environmental regulations/legislation specific for the substance or mixture*

SARA Section 355 (extremely hazardous substances)	Not listed
SARA Section 313 (Specific toxic chemical listings)	Not listed
TSCA (Toxic Substances Control Act)	Listed
Proposition 65 (California)	
Chemicals known to cause cancer	Not listed
Chemicals known to cause reproductive toxicity for females	Not listed
Chemicals known to cause reproductive toxicity for males	Not listed
Chemicals known to cause developmental toxicity	Not listed
Carcinogenic Categories	
IARC (International Agency for Research on Cancer)	Not listed
TLV (Threshold Limit Value established by ACGIH)	Not listed
NIOSH-Ca (National Institute for Occupational Safety and Health)	Not listed
OSHA (Occupational Safety & Health Administration)	Not listed
Canada	
Canadian Domestic Substances List (DSL)	Listed
Canadian Ingredient Disclosure list (limit 0.1%)	Not listed
Canadian Ingredient Disclosure list (limit 1%)	Not listed
REACH	
REACH Candidate List	Not listed
REACH XIV List	Not listed

Chemical safety assessment:                                      A chemical safety assessment has been carried out

**16. OTHER INFORMATION**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship



# Safety Data Sheet