

MATERIAL SAFETY DATA SHEET

: According to EC-directive 2001/58/EC

Rubber Accelerator DOTG

HS Code: 29252900.90

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product label name	Diotolylguanidine
Supplier	Qingdao YLSCH Industry&Trade Co.,Ltd Room 501,2-3 Unit. No.8,Zhengzhou Road, Qingdao,China. TEL: +86 18661665800
Emergency telephone	TEL: +86 18661665800
Intended use	Rubber Vulcanization Accelerator

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	二邻甲苯胍 Diotolylguanidine
CAS NO.	97-39-2
Chemical description	White powder
TSCA NO.	none
EINECS NO.	none
Other information	C ₁₅ H ₁₇ N ₃

3. HAZARDS IDENTIFICATION

Very hazardous in case of ingestion. Hazardous in case of skin contact (Irritant), of eye contact (irritant),of inhalation .very slightly hazardous in case of skin contact (permeator).severe over-exposure can result in death.

4. FIRST AID MEASURES

Symptoms and effects	Dust may be irritating to the respiratory tract and cause symptoms of bronchitis. Repeated contact may cause skin sensitization.
First aid	
General	In all cases of doubt, or when symptoms persist, seek medical attention.

Inhalation	Move to fresh air. If symptoms persist, seek medical advice.
Skin	Remove all contaminated clothing immediately. Wash off with plenty of soap and water. Seek medical advice if irritation develops. Launder clothes before reuse.
Eye	Rinse thoroughly with plenty of water. Eyelids should be held away from the eyeball to Ensure thorough rinsing. Seek medical advice if irritation develops.
Ingestion	Rinse mouth, give water to drink.
Advice to physician	No specific recommendations.

5. FIRE-FIGHTING MEASURES

Extinguishing media	Waterspray, water mist, foam, dry chemical powder, CO ₂
Unsuitable extinguishing media	Waterjet.
Special exposure hazards	Explosive in presence of oxidizing materials.
Protective equipment	Wear self contained breathing apparatus.
Other information	Do not allow run-off from fire fighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	For personal protection see Section 8. Avoid dust generation.
Environmental precautions	Avoid discharge into the environment.
Methods for cleaning up	Collect as much as possible in a clean container for (preferable) reuse or disposal.

7. HANDLING AND STORAGE

Handling	Keep away from heat. Evaporate the residue under a fume hood. Don't breathe dust. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents.
Storage requirements	Store in a dry and cool place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls	Avoid dust generation.Ensure good ventilation and local exhaustion of the working area.
Exposure limits	
Name: Diotolylguanidine	

Personal protection

Respiratory

Avoid breathing dust. In case of insufficient ventilation, wear suitable respiratory equipment.

Hand

Wear suitable gloves.

Eye

Wear safety goggles.

Skin and body

Wear suitable protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	white powder	Colour	white
Odour	----	Boiling point	----
Melting point\geq	170.0 $^{\circ}$ C	Flash point	----
Flammability	----	Explosion limits	----
Explosive properties		Auto ignition temperature	----
Oxidizing properties	----	Vapour pressure	----
Density	1.01-1.05g/cm ³	Bulk density	----
Solubility in water	Insoluble in water	Solubility in other solvents	Soluble in Chloroform, acetone, ethanol.
pH value	----	Partition coefficient	----
Residues (150μm)% Max	0.1(Max)	Relative vapour density	----
Viscosity	----	Assay content % \geq	95
Strength of grain(N)	----	Oil content % :	1.0-2.0

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage and handling conditions (see section 7).
Conditions to avoid	Avoid heat, flames sparks and other sources of ignition.
Materials to avoid	Oxidizing agent.
Hazardous decomposition products	Thermal decomposition products: carbon monoxide (CO), Carbon dioxide, oxides of nitrogen. o-Toluidine.

11. TOXICOLOGICAL INFORMATION

Name	Diotolylguanidine
Acute toxicity	
Oral LG50	rat:> 134 mg/kg.
Dermal LD50	rabbit:>2000 mg/kg.
Irritation	
Skin	Slightly irritating to skin but not sufficient for classification.
Eye	Slightly irritating to eyes but not sufficient for classification.

12. ECOLOGICAL INFORMATION

Name	Diotolylguanidine
Ecotoxicity	Not available.
BOD5 and COD	Not available.
Degradation Biotic	Not readily biodegradable.

13. DISPOSAL CONSIDERATIONS

Product	Avoid discharge into the environment Small quantities: According to local regulations. Large quantities: Consult YLSCH Chemical for special advice.
Contaminated packaging	According to local regulations. Waste code number: Please refer to your specific industry
Other information	in the European Waste Catalogue.

14. TRANSPORT INFORMATION

Land transport (ADR/ RID)			
ADR class	9	RID class	9
ADR/RID packing group	----	Hazard Identification No.	90
Substance Identification No.	3077	UN number	3077
Environmentally hazard us substance, solid, n.o.s.			
Proper Shipping Name	(Diotolylguanidine)		
Sea transport (IMDG-code/ IMO)			

Correct technical name	----	IMDG Class	
UN Number	----	Packaging group	
EMS Number	----		
Air transport (ICAO-TI/ IATA-DGR)			
ICAO-TI/IATA-DGR Class	9	UN number	3077
Packing group	Environmentally hazardous substance, solid, n.o.s.		
Correct technical name	(Diotolylguanidine)		

15. REGULATORY INFORMATION

Chemical description	Diotolylguanidine
Labelling according to EC directives	
EC-number	See section 2 Annex-1 to directive 67/548/EEC
Classification based on	R 43 May cause sensitization by skin contact May cause long-term adverse effects in the aquatic environment
R(isk) phrase(s)	S 24 Avoid contact with skin S 37 Wear suitable gloves S 60 This material and its container must be disposed of as hazardous waste
S(afety) phrase(s)	S 61 Avoid release to the environment. Refer to special instruction /Safety data sheets
Other information	To be displayed on the label: "EC label".
Wassergefährdungsklasse (WGK)	-----

16. OTHER INFORMATION

This information only concerns the above mentioned product and does not need to be valid if used with other product(s) or in any process. The information is to our best present knowledge correct and complete and is given in good faith but without warranty. It remains the user's own responsibility to make sure that the information is appropriate and complete for his special use of this product.