

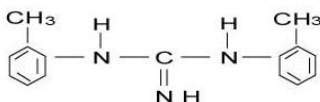
DOTG

Diotolylguanidine

CAS Number: 97-39-2

Molecular weight: 239.32

Molecular formula: C₁₅H₁₇N₃



PRODUCT INFORMATION

PRODUCT SPECIFICATIONS		GRANULES	OIL POWDER	POWDER
Appearance		Grey-white granules	Grey-white oil powder	Grey-white powder
Initial Melting Point	°C min	170.0	170.0	170.0
Loss on drying	% max	0.30	0.40	0.30
Ash	% max	0.30	0.40	0.30
Residue on sieve (63µm)	% max	-	0.50	0.50
Residue on sieve (150µm)	% max	-	0.10	0.10
Oil content	%	-	0.0 – 2.0	-
<u>Typical properties</u>				
Density	g/cm ³	1.01-1.02		
<u>Packaging</u>				
Bag		25kg (55 lbs)		
Pallet		500kg or 600kg (1102 lbs or 1323 lbs)		

FUNCTION

DOTG is seldom used alone, most commonly with thiazoles, thiram, dithiocarbamates and sulfenamides to promote its activity.

APPLICATIONS AND PROPERTIES

- DOTG is slightly more active than DPG.
- Suitable for NR, SNR, IIR, IR SBR, NBR and CR.
- Its critical temperature is 141°C.
- This product is a plastic decomposing agent in CR, however it is unsuitable for food-related products or medical products.
- Product has a slight bitter taste.
- Soluble in chloroform, acetone and alcohol and slightly soluble in benzene.
- Insoluble in water and gasoline.
- DOTG is regulated for use under the following sections of FDA 21 CFR:
177.2600 – Rubber Articles Intended for Repeated Use in Food Contact.
175.105 – Components of Adhesives,
178.3120 – Certain Adjuvants and Production Aids – Animal Glue.

STORAGE

Material should be stored in a cool, dry, well ventilated area, away from high temperatures. The maximum recommended storage life is 1 year when stored under normal conditions.

HANDLING PRECAUTIONS

For detailed information on toxicological properties and handling precautions, please refer to the current Safety Data Sheet. This information is available by request from **SunBoss Chemicals Corp.**

[Revised: November 5, 2014 by kk]