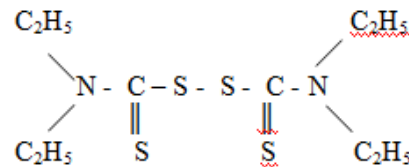


Dimacit TETD



Technical Data Sheet

Chemical synonym

Tetraethylthiuram disulfide
Bis (diethyldithiocarbamoyl) disulfide

General information

CAS number : 97-77-8
Molecular formula : C₁₀H₂₀N₂S₄
Molecular weight : 297
REACH registration nr : 01-2119555278-30-0000

Description

This product is designed for the rubber industry.
Two grades are available: Ultra & grs-3mm
Both grades are off white

Principal Applications

- Dimacit TETD offers fast vulcanization and gives more scorch delay than Dimacit TMTD.
- It gives an excellent vulcanization plateau with good heat aging and compression set resistance when used in sulfur less vulcanization systems and EV systems.
- In EPDM Dimacit TETD is a valuable secondary accelerator.
- Dimacit TETD gives excellent dispersions in soft compounds due to its low melting point.
- Dimacit TETD is non-staining and non-discoloring; excellent colors are obtained in non-black vulcanizates.
- It should be notes that in the application of Dimacit TETD N-nitrosodimethylamine can be formed by the reaction of dimethylamine, a decomposition product, with nitrosating agents (nitrogen oxides).
- Dimacit TETD is regulated for use in articles in contact with food as specified under FDA 21 CFR 177.2600, 175.105 and under BgVV XXI, Categories 1-4.

Specifications

Dimacit TETD Product form	Ultra (Powder)	grs-3mm 3 mm granules	
PRODUCT SPECIFICATIONS:			<u>Test method</u>
Assay (%) min.	98.0	98.0	Clarcke
Melting point, initial (°C) min	64	64	DSC
Melting point, final (°C)	69-73	69-73	DSC
Heat loss (%) max	1	0.3	gravimetric
Ash (%) max	0.3	0.3	gravimetric
TYPICAL PROPERTIES:			
Appearance	Off white powder	Off white granules	
Bulk density (kg/l)	+/- 0.55	+/- 0.40	

Packaging

- 25 kg multi ply valve bag

DIMACIT TETD

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Storage

Store in dry well ventilated place away from foodstuffs. No reduction in the assay of the active substance has been observed after storage for 2 years in the original packing under normal conditions.

Double stacking of palletized material can result in unusual compaction of product.

Protect against acids and substances liberating acids.

In the event of accidental spillage the spilt product should be collected for incineration.

Notify the appropriate authorities immediately if there is any risk of contamination of watercourses.

Fire risk

The product is combustible at high temperature.

Fire or heating can cause decomposition to toxic vapors (nitrogen oxide, carbon oxides and sulphur oxides).

See Material Safety Data Sheet for:

Labeling, Transport Regulations, Toxicology, Ecotoxicology and First Aid Measures

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