

Technical Data Sheet

TETD ULTRA

Chemical Synonym

Tetraethylthiuram disulfide, Bis (diethyldithiocarbamoyl) disulfide

Applications

- Rubber modification

Product Description

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

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.

Typical Properties

Property	Typical Value, Units
General	
Molecular Formula	C ₁₀ H ₂₀ N ₂ S ₄
Molecular Weight	297
Appearance	Off-white powder
Bulk Density	+/-0.55 kg/L

Packaging

25 kg multi ply valve bag

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.

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