

# Technical Data Sheet

## DIMACIT TMTD-PDR-D

### Chemical Synonym

Tetramethylthiuram disulfide, Bis (dimethyldithiocarbamoyl) disulfide, Thiram, Thiuram

### Applications

- Rubber and plastic additives
- Rubber modification

### Product Description

This product is designed for the rubber industry. Two grades are available: pdr; pdr-d. All grades are white to off white.

Dimacit TMTD offers fast vulcanization and gives an excellent vulcanization plateau with good heat aging and compression set resistance when used in sulfurless vulcanization systems and EV systems.

In EPDM Dimacit TMTD is a valuable secondary accelerator.

In mercaptan modified polychloroprene cured with ETU, Dimacit TMTD acts as a scorch retarder without affecting the cure speed.

Dimacit TMTD-pdr is recommended for use in soft compounds due to dispersability.

Dimacit TMTD is non-staining and non-discoloring. Excellent colors are obtained in non-black vulcanizates.

It should be noted that in the application of Dimacit TMTD N-nitrosodimethylamine can be formed by the reaction of dimethylamine, a decomposition product, with nitrosating agents (nitrogen oxides).

Dimacit TMTD 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 and "Sonderkategorie".

### Typical Properties

Property	Typical Value, Units
<b>General</b>	
Appearance	White to off white powder
Bulk Density	+/-0.50
Molecular Formula	C <sub>6</sub> H <sub>12</sub> N <sub>2</sub> S <sub>4</sub>
Molecular Weight	240.4

### Packaging

- 25 kg multi ply valve bag (on order)
- Big bags

## 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.

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.

Protect against acids and substances liberating acids.

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