



Technical Data Sheet

CAS: 137-26-8 Molecular weight: 240.4 $\text{C}_6\text{H}_{12}\text{N}_2\text{S}_4$

Synonyms

Tetramethylthiuram disulfide
Bis (dimethyldithiocarbamoyl) disulfide
Thiram, Thiuram

Presentation

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

Reach registration nr.

01-2119492301-45-0000

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.

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).

Dimacit TMTD Product form	pdr Powder	pdr-d Dust suppressed powder	
PRODUCT SPECIFICATIONS:			<u>Test method</u>
Appearance	white to off white powder	white to off white powder	visual
Assay (%) min.	99.0	98.0	Clarcke
Melting point, initial (°C) min	142	142	DSC
Melting point, final (°C)	150-159	150-159	DSC
Heat loss (water content) (%) max	0.3	0.3	gravimetric
Ash (%) max	0.3	0.3	gravimetric
Additive (%)	-	0.5 – 1.0	extractrion + gravimetric
Residue on 150 µm sieve (%) max (* Based on pdr formulation)	0.1	0.1 (*)	wet sieving
TYPICAL PROPERTIES			
Bulk density (kg/l)	+/- 0.40	+/- 0.50	

Principal applications

- 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".

Additional data

See Material Safety Data Sheet.

For further questions please contact our regional sales departments

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January 2013

Technical Data sheet 51268/01-2013

Super sedes TDS : 51268/09-2011

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