



Kemai (Tianjin) Chemical Technical Co., Ltd.

Gongnong Village, Gulin Street, Dagang Dist., Tianjin 300272, China

Fax: [+86](022)24379994 Phone:[+86](022)24711698

<http://www.tjkemai.com/>

PRODUCT DATA

TMTD

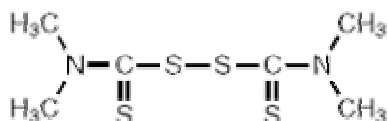
Tetramethylthiuram disulfide,

CAS NO.:137-26-8

Executive standard: HG/T 2334-92

Chemical Molecular: $C_6H_{12}N_2S_4$

Chemical Structure:



APPLICATION

A primary or secondary (ultra) accelerator in multiple blend accelerator systems with thiazoles and sulfenamides. TMTD is also used as a vulcanizing agent in most of the sulfur cured elastomers. Be scorchy and gives fast cure rates. Produces an excellent vulcanization plateau with good heat aging and compression set resistance in sulphurless and EV cure systems. Excellent color retention is obtained in non-black vulcanization. A valuable secondary accelerator for EPDM. May be used as a retarder in the vulcanization of polychloroprene rubber with ETU.

SPECIFICATION

No.	Item	Specification			Test method
		powder	Oil powder	granular	
1	Appearance	White or light gray powder or granular			Visual
2	Initial melting point $^{\circ}C \geq$	142.0	142.0	142.0	JS-JY-FF-01/B
3	Heat loss % \leq (70 $^{\circ}C$, 5g,3h)	0.30	0.30	0.30	JS-JY-FF-02/B
4	Ash % \leq (550 $^{\circ}C$, 2g)	0.30	0.30	0.30	JS-JY-FF-03/B
5	Residues on sieve % \leq (150 μm)	0.03	0.03	—	JS-JY-FF-04/B

6	Purity % \geq	96.0	96.0	96.0	JS-JY-FF-15/B
7	Pellet hardness(Mean.value)N \leq	—	—	2	JS-JY-FF-05/B
8	Oil content %	—	1.5 \pm 0.5	—	JS-JY-FF-06/B

HANDLING PRECAUTIONS

For detailed information on toxicological properties and handling precautions please refer to the current Safety Data Sheet.

STORAGE RECOMMENDATIONS

Store TMTD in single stacked pallets in a cool, dry, well-ventilated area, avoiding exposure of the packaged product to direct sunlight. Double stacking of palletized material and/or exceeding 35°C can result in unusual compaction of product.

PACKAGING: 25kg paper bag.