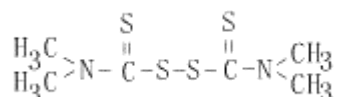


PRODUCT DATA SHEET

Chemical name	TMTD
Molecular Formula	C ₆ H ₁₂ N ₂ S ₄
CAS NO.	137-26-8

Structural Formula



Technical Index

Item	Index
Appearance	White or light grey powder/granule
Melting point °C ≥	140.0
Heating loss% ≤	0.40
Ash% ≤	0.50
Residue on 150mesh Sieve(100um) % ≤	0.10

Properties

Without odour poison. Stimulative to the skin and the respiratory tract. Soluble in chloroform, acetone, methylene chloride, benzene; not easily soluble in carbon tetrachloride, ethyl acetate; insoluble in water and gasoline.

Application

TMTD can be used as a single accelerator, as a secondary accelerator or as a sulfur donor in most sulfur-cured elastomers. TMTD is scorchy and gives fast cure rates. In sulfurless and EV cure systems TMTD produces an excellent vulcanization plate with good heat aging and compression set resistance. Good color retention is obtained in non-black vulcanizates. TMTD is a valuable secondary accelerator for EPDM. In the vulcanization of polychloroprene rubber with N,N'-ethylene thiourea, TMTD may be used as a retarder.

Package 25kg N.W./bag, in plastic fabric laminated kraft bags lined with plastic bag.

Storage Keep container tightly closed in a cool, well-ventilated place. 2 years