



Dalian Richfortune Chemicals Co., Ltd.

12A-11 Yangguang Shuma Building, 596 Huang Pu Road,

DaLian, Liaoning 116023, China

Tel: +86-411-84820922/84821539

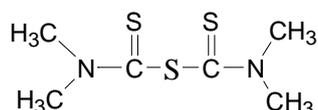
Fax: +86-411-84821380

Website: www.richfortunechem.com

Rubber Accelerators TMTM(TS)

Chemical Name: Tetramethyl thiuram monosulfide

Structural Formula:



Details:

CAS No: 97-74-5

Packaging: 25kg plastic woven bag, paper with plastic film bag, kraft paper bag

Molecular Formula: C₆H₁₂N₂S₃

Molecular Weight: 208.4

Specifications:

| Item | Powder | Oiled powder | Granule |
|----------------------------|------------------------|--------------|---------|
| Appearance | Yellow powder(granule) | | |
| Initial M.P. | 105.0 | 105.0 | 105.0 |
| Loss on drying % | 0.30 | 0.50 | 0.30 |
| Ash % | 0.30 | 0.30 | 0.30 |
| Residues on 150μm sieve, % | 0.10 | 0.10 | \ |
| Residues on 63μm sieve, % | 0.50 | 0.50 | \ |
| Additive, % | \ | 1.0-2.0 | \ |
| Granule Diameter, mm | \ | \ | 1.0-3.0 |

Properties: Odorless, no smell, no taste, little harm to water. Soluble in benzene, acetone, ethylene



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dichloride, carbon disulfide, toluene, chloroform, slightly soluble in ethanol and diethyl ether,
insoluble in gasoline and water.

Used: Accelerator used to NR SBR, usually used as a secondary accelerator or as a booster for
sulphenamides to achieve faster cure rate. An excellent accelerator to polychloroprene , when used
together with DPG and Sulphur. Its critical temperature is 121 C

Storage Notes: Sealed store in a cool, ventilated warehouse. Away from fire and heat source, not
mixed storage, should be stored apart from oxidant. Storage areas should be equipped with
emergency treatment to prevent leakage and flame. The validity is 2 years.