



## SOVEREIGN CHEMICAL COMPANY

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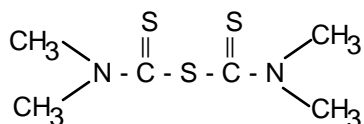
# Sovchem® TMTM

**Manufacturer:** Sovereign Chemical Company

**Classification:** Thiuram Accelerator

### Chemical Composition

Chemical Structure:



Empirical Formula:  $C_6H_{12}N_2S_3$

Molecular Weight: 208.4

CA Nomenclature: Tetramethyl thiuram monosulfide

Synonym Nomenclature: Thiodicarbonic diamide tetramethyl

### Physical Data

Specification Properties	Value			Test Method
	Powder	Oiled Powder	Granule	
Melting Point (initial)	105° C min	105° C min	105° C min	GB11409.1
Heat Loss, % by mass	0.30 max	0.40 max	0.30 max	GB11409.4
Ash Content, % by mass	0.30 max	0.40 max	0.30 max	GB11409.7-89
Sieve Retention, 150 $\mu$	0.10% max	0.10% max		GB11409.5-89
Sieve Retention, 63 $\mu$	0.50% max	0.50% max		GB11409.5-89
Purity, %		97.0 min	97.0 min	Supplier
Oil Content, %		2.0 max		
Granule Diameter			1-3 mm	

Typical Properties	Value	Test Method
Physical Form	Yellow powder or granule	Visual
Specific Gravity	1.4	Typical

### Applications

**Uses:** Generally used as a secondary accelerator or as a booster for sulphenamides to achieve faster cure rate. Distinguished by very good processing safety in comparison with other thiurams, high curing activity and no discoloration. No cure activity in the absence of added elemental sulfur. An excellent accelerator for polychloroprene in association with DPG and sulfur.

### Packaging and Storage

**Packaging:** 25 kg (55.1 lb.) bag

**Shelf Life:** 2 year from date of manufacture if stored as indicated below

**Storage:** Product should be stored in cool, dry place with good ventilation, avoiding exposure of the packaged product to direct sunlight. The product with pallet should not be stacked. Stacking of palletized material or temperature of above 35° C can cause unusual compacted product.

Specification Date: January 17, 2011 (Supercedes: August 23, 2010)

SCC ISO Document Number: SCCF 4.2.3-2.A

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