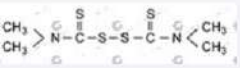
**Chemical Name :** Tetramethyl thiuram disulfide

**Molecular Formula:** $C^8H^{12}N^2S^4$

**Molecular Structure:**



**Molecular Weight:** 240.43

**CAS NO. :** 137-26-8

**Executive standard:** HG/T 2334 - 2007

**Specification:**

| Product Name | Class | Appearance | Initial M. P, ℃≥ | Loss on drying, ≤ | Ash, %≤ | Residues on sieve(150μm),≤ |
|---|---|---|---|---|---|---|
| TMTD | First Class | White or light grey powder or granules | 142.0 | 0.30 | 0.30 | 0.0 |
| | Qualified Class | | 140.0 | 0.30 | 0.30 | 0.1 |

**Properties:** White, light gray powder or granular. The density is 1.29. Soluble in benzene, acetone, chloroform, CS2 partly soluble in alcohol, diethyl ether, CCl4 insoluble in water, gasoline and alkali with lower concentration. Meeting hot water becomes to dimethylamine ammonium and CS2. Be sensitive to skin and pneogaster

**Application:** Can be used as a single accelerator, as a secondary accelerator or as a sulphur donor in most sulphur-cured elastomers. Scorchy and gives fast cure rates. Produces an excellent vulcanisation plateau with good heat aging and compression set resistance in sulphurless and EV cure systems Good color retention is obtained in non-black vulcanisation. A valuable secondary accelerator for EPDM. May be used as a retarder in the vulcanisation of polychloroprene rubber with ETU and also be used as bactericide and pesticide.

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

**Storage:** The product should be stored in the dry and cooling place with good ventilation, avoiding exposure of the packaged product to direct sunlight. The validity is 2 years.

**Note:** The product could be ultrafine powder based on customer accurate requirement.