

SPECIFICATIONS	VALUES	METHODS
Appearance	Clear liquid	Visual
Purity (% weight)	≥ 98.5	Potentiometry TIO MA 104 / SOP QC-085e
Mercaptan Sulfur (% weight)	≥ 15.6	Potentiometry TIO MA 104 / SOP QC-085e
Colour (APHA)	≤ 15	TIO MA 102 / SOP QC-085e

The above commercial specifications are guaranteed; they were established using the test methods which were in force at the plant at the time of dispatch of the product, and are in accordance with any applicable revision references.

**TDM is a mercaptan with a distribution centered on C12.**

## USES

TDM is a chain transfer agent used mainly in cold radical polymerization processes. It is used to control the molecular weight in the manufacturing of butadiene & styrene based processes such as butadiene latex (SBL) & synthetic rubbers (e-SBR and NBR), ABS, polystyrene (PS) and styrene varnishes.

TDM can also be used in the polymerization of various monomers, such as vinyl chloride and chlorotrifluoroethylene.

TDM is used as a chemical intermediate in various syntheses: extreme pressure additives, fragrances, non-ionic surfactants and fungicides.

## PACKAGING

- Drum: 216 L - 4 x 175kg NW on a pallet
- Intermediate Bulk Container I.B.C: 1000 L - 850 kg NW
- Semi-Bulk Container S.B.C: 1100 L - 850 kg NW  
2500 L - 1900 kg NW
- Bulk Delivery: Isocontainer 19 to 20mt NW & Roadtanker or Railcar 20 to 25mt NW

## PHYSICAL DATA

- Density 20° C: 0.860 g/cm<sup>3</sup>
- Viscosity 20° C: 3.36 mPa.s (cP)
- Flash point (closed cup): 97° C
- Vapour pressure 20° C: 0.03 mbar (hPa)
- Vapour pressure 50°C: 0.8 mbar (hPa)
- Refractive index 20°C: 1.461
- Boiling point: 233° C
- Melting point: < -30°C
- Decomposition temperature: 350° C

## SOLUBILITY

TDM is not soluble in water, slightly soluble in light alcohols and soluble in styrene and most organic solvents.

## STORAGE / SAFETY / PRECAUTIONS DURING USE / HANDLING

Please refer to the safety data sheet before any use

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