

Technical Data Sheet



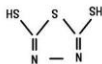
荣欣鑫橡胶助剂

RONGXIN XIN RUBBER ADDITIVES

DMTD

Chemical name : dimercaptothiadiazole

English name: 2,5-Dimercapto-1,3,4-thiadiazole



Structural formula:

Molecular formula: C₂H₂N₂S₃

Molecular weight: 150.25

CAS No.: 1072-71-5

Analysis Project	index
Appearance (visual inspection)	White to light yellow powder
Initial melting point (°C) ≥	162.0
Heating loss (%) ≤	0.50
Ash content (%) ≤	0.30
Purity(%) ≥	98.0
Sieve residue (840 μ m) (%)	All passed

Properties: white to light yellow crystal powder; easily soluble in ether and alkali solutions, slightly soluble in alcohol, insoluble in water, chloroform and benzene.

Storage : This product is unstable in alkaline solution and will precipitate sulfur after being stored for a long time. It is unstable in air and when exposed to light. Store in a bottle protected from light and filled with nitrogen.

Purpose : DMTD is a metal deactivator and corrosion inhibitor for copper metal. It is also an important chemical intermediate, and its derivatives are widely used in medicine, lubricating grease, metal working fluids, rubber industry, etc.

Packaging : Paper-plastic composite bag lined with polyethylene inner film
25kg/bag.

Technical Data Sheet (TDS) Version 2.0

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