

Product Data Sheet

Thiourea - Technical Grade

Description

Description	Thiourea is a sulphur-containing organic compound supplied as a white crystalline powder, used across mineral processing (as a gold/silver flotation and leaching aid), rubber vulcanisation acceleration, resin manufacturing, and metal plating brightening.
Applications	Gold and silver ore flotation/leaching aid in mineral processing Rubber vulcanisation accelerator Resin manufacturing and textile finishing Metal electroplating brightener
Grade	Technical Grade, Min. 99.0% Assay
CAS No.	62-56-6

Key Benefits

1. High purity supporting effective performance in mineral flotation/leaching applications
2. Consistent quality supporting reliable rubber vulcanisation acceleration
3. Widely accepted standard grade across mining, rubber and electroplating industries
4. Established, actively traded commodity with global pricing benchmarks

Chemical Analysis & Physical Data

Typical Specification

Parameter	Test Method	Unit	Specification
Assay (Thiourea)	Titration Method	wt%	Min. 99.0
Melting Point	Standard Melting	°C	176 - 178

Parameter	Test Method	Unit	Specification
	Point Method		
Moisture	Karl Fischer Method	wt%	Max. 0.3
Iron (Fe)	Spectrophotometric Method	wt%	Max. 0.002
Appearance	Visual	–	White crystalline powder

Packaging

Packaging 25 kg Kraft Paper Bags (PE-lined)
500 kg / 1,000 kg Jumbo Bags (FIBC)
Custom packaging available on request.

Storage & Handling

1. Store in a cool, dry, well-ventilated area away from direct sunlight
2. Keep containers tightly sealed to prevent moisture pickup
3. Handle per occupational exposure requirements – see accompanying MSDS before storage/handling decisions are finalised
4. Keep away from strong oxidising agents

Quality Assurance

1. Every batch is tested against the specification above before dispatch
2. A batch-specific Certificate of Analysis (COA) accompanies each shipment, reporting assay, melting point and iron content against this TDS
3. COA available on request prior to shipment for buyer pre-approval
4. Third-party inspection (SGS/Intertek) can be arranged on request for regulated-market shipments

Disclaimer: The information provided in this document is based on our current knowledge and is intended as a general guide. Ochnology Solution Pvt. Ltd. reserves the right to modify specifications without prior notice. Buyers are advised to conduct their own testing for specific applications. A batch-specific Certificate of Analysis (COA) is available on request for each shipment.