



Wuxi High Mountain Hi-tech Development Co.,Ltd

Technical Data Sheet

Version: 2.0

Oct. 10, 2023

Thiourea #HMHT0010

HS Code	CAS No.	Formula	Molecule Weight	Shelf Life
29242100.90	62-56-5	CH ₄ N ₂ S	76.12 g/mol	12 months

Standard: HG/T3266-2002

Items	Unit	Specifications
Appearance		White Crystalline
Purity	%	99min.
N	%	35min.
S	%	40min.
Loss on heating	%	0.4max.
Water-insoluble	%	0.02max.
Ash	%	0.1max.
Melting point	°C	171min.
Thiocyanate	%	0.02max.

Packing:

In 25kg bags, 20mt in 1X20'FCL with pallets

Application:

It is mainly used as a raw material for the synthesis of sulfathiazole, methionine and other drugs, and can also be used as a raw material for dyes and dyeing auxiliaries, resins and molding powders, and can also be used as a vulcanization accelerator for rubber, a flotation agent for metal minerals, a catalyst for the production of phthalic anhydride and fumaric acid, and as a metal rust inhibitor. In terms of photographic materials, it can be used as a developer and toner, and can also be used in the electroplating industry. Thiourea is also used in diazo photosensitive paper, synthetic resin coatings, anion exchange resins, germination promoters, fungicides and many other aspects. Thiourea is also used as a fertilizer. Used in the manufacture of drugs, dyes, resins, molding powder, rubber vulcanization accelerator, metal mineral flotation agents and other raw materials.

Handling and storage conditions:

Avoid contact with skin and eyes. Keep containers in a dry, cool and well-ventilated place. Store away from incompatible materials and foodstuff containers.

Transportation information:

UN 3077 9 / PG III