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Thiourea Uses In Agriculture CAS 62-56-6

Product Description

Product name	Thiourea
CAS	62-56-6
EINECS No.	200-543-5
Molecular formula	CH_4N_2S
Melting point	176~178
Density	1.41
Solubility	Thiourea soluble in cold water, ethanol, slightly soluble in ether
Properties	Thiourea is a white or light yellow gloss flaky, columnar or needle-like crystal.

Thiourea is an organosulfur compound of with the formula $SC(NH_2)_2$. Thiourea is structurally similar to urea, except that the oxygen atom is replaced by a sulfur atom, but the properties of urea and thiourea differ significantly. Thiourea is a reagent in organic synthesis. "Thioureas" refers to a broad class of compounds with the general structure (R1R2N)(R3R4N)C=S. Thioureas are related to thioamides, e.g. RC(S)NR2, where R is methyl, ethyl, etc.



Thiourea Uses In Agriculture Specification:

ITEMS	STANDARD	RESULTS
content%	≥99.0%	99.10%
Loss after heated%	≤0.4%	0.20%
Ash content%	≤0.10%	0.06%
sulforhodanide% (with CNS)	≤0.02%	0.010%
waternon dissolubility%	≤0.02%	0.010%
melting point℃	≥171℃	172℃

Thiourea Uses In Agriculture Application:

Thiourea is the main raw material in the production of thiourea dioxide. Thiourea can be used in medcine, pesticides, fertilizer, agriculture, mineral flotation agents and phoographic materials.

