

# TECHNICAL DATA SHEET

## Guanidine Thiocyanate, ultrapure

**Description:** Formula : C<sub>2</sub>H<sub>6</sub>N<sub>4</sub>S  
 Synonym : Guanidinium thiocyanate, Guanidine isothiocyanate  
 CAS : 593-84-0

**Specification:**

Assay	min. 99.0%
Appearance	colorless, crystals
Solubility (3M, 33% w/w in water)	clear, colorless
Melting point	118 – 121°C
pH-value (1M in water)	5.0 – 7.0
Water	max. 0.3%
Iron	max. 1 mg/kg
Ammonium	max. 0.1%
Heavy metals (Pb)	max. 10 mg/kg
UV Absorbance (3M, 33% w/w in water)	
at 280 nm	max. 0.40
at 300 nm	max. 0.05

**Packaging:** PE-drum with PE-inliner containing 20 kg net.

**Storage Conditions:** Material is hygroscopic. Store at room temperature, in a dry place. Protect from direct light exposure. See also MSDS.

**Shelf life:** 3 years from the date of manufacture when storage conditions are kept. See also MSDS.

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