

**SOVEREIGN CHEMICAL COMPANY**

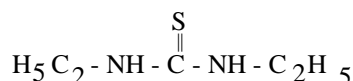
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www.sovchem.net

**Sovchem® DETU Crystal****Manufacturer:** Sovereign Chemical Company**Classification:** Thiourea Accelerator and Corrosion Inhibitor**Chemical Composition:**

Chemical Structure:



Molecular Formula: C<sub>5</sub>H<sub>12</sub>N<sub>2</sub>S  
Molecular Weight: 132  
CA Nomenclature: Thiourea, N,N'-diethyl  
Synonym Nomenclature: 1,3-diethylthiourea or N,N'-diethylthiourea

**Physical Data**

<b>Specification Properties</b>	<b>Value</b>	<b>Test Method</b>
Melting Point (Initial), °C	74.0	GB11409.1
Heat Loss, % by mass	0.30 Maximum	GB11409.4
Ash Content, % by mass	0.30 Maximum	GB11409.7-89
Sieve Retention, % @ 840 μ	0.10 Maximum	GB11409.5-89

**Typical Properties**

	<b>Value</b>	<b>Test Method</b>
Physical Form	Coarse crystalline powder	Visual
Color	White	Visual

**Applications**

**Uses:** Ultra accelerator for CR and a secondary accelerator for natural rubber, EPDM and SBR. Good for hot air cures. Also used as a corrosion inhibitor in non-rubber applications.

**Polymers:** CR, NR, EPDM and SBR.

**Cure Effect:** Ultra fast accelerator.

**Packaging and Storage**

**Packaging:** 25 Kg (55.1 lb.) paper bags.

**Shelf Life:** 2 years from date of manufacture if stored as indicated below.

**Storage:** Store in unopened original packaging in a cool dry place away from direct sunlight.

Specification Date: August 9, 2011 (Supersedes: August 23, 2010)