

# Curekind® DETU

DESCRIPTION	Items	Specification	
	$\begin{array}{c} \text{C}_2\text{H}_5\text{-NH-C-NH-C}_2\text{H}_5 \\    \\ \text{S} \end{array}$	Appearance	White crystals
	N,N'-Diethylthiourea	Initial Melting Point, °C min.	74.0
		Heat Loss, % max.	0.30
	C <sub>5</sub> H <sub>17</sub> N <sub>2</sub> S	Ash,% 850°C 2hr max.	0.30
	M.W : 132.23	Density, g/cm <sup>3</sup>	1.10
	CAS No.: 105-55-5	Residue on 150µm, % max.	-
	EINECS No: 203-308-5		

**Characteristics** Curekind® DETU is White crystals, relative density: 1.10g/cm<sup>3</sup>, easily soluble in acetone, ethanol, soluble in water, insoluble in gasoline. Has the water absorbability.

**Application** This kind of accelerator has lower promote effectiveness and poor anti-scorching resistance, so normally non use for diene rubber; but in special cases, such as with thiuram sulfide and sulfur donor vulcanization, DETU can be as activator. The thiourea accelerator has unique performance for vulcanizing neoprene rubber, can be obtained tensile strength, hardness, compression set etc good properties of vulcanized chloroprene. Compared to the ETU(NA-22), faster on scorching and vulcanizing speed, but with better vulcanizing flatness. Easily dispersion, non-blooming. If dosage bigger, can be vulcanized with high temperature and high speed, especially suitable for continuous vulcanization extruded products. DETU also can be as Butyl rubber accelerator, EPDM vulcanizing activator. For natural rubber, neoprene, NBR and SBR, has antioxidant effect. Generally used in the manufacture of industrial products, special wires, sponge products etc.

**Safety and Toxic** Refer to the MSDS

**Storage** Store in closed containers in a cool, dry, well-ventilated place. Avoid exposure under direct sunlight.

**Package** Co-extruded paper bag lined with PE plastics film bag. N.W.25kg/bag; N.W.500kg/pallet.

The information contained in this leaflet is based on tests carried out by our laboratories and data selected from references. Therefore it is not valid legally and does not signify any guarantee to customers of successful applications of the product according to their own formulas. However, our company will offer professional services in technology at utmost to facilitate customers to achieve expected purpose of product applications.