



# Rongxin Technology Co., Ltd.

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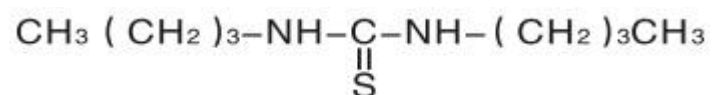
Rubber Accelerator DBTU

RUBBER ACCELERATOR :DBTU

Chemical Name N,N'-Dibutyl thiourea

Molecular Formula  $C_9H_{20}N_2S$

Molecular Structure



Molecular Weight 188.25

CAS NO.109-46-6



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## Specifications

Item	Crystal
Appearance	White crystal powder
Initial Melting Point $^{\circ}\text{C}\geq$	60.0
Loss on Drying $\%\leq$	0.50
Ash $\%\leq$	0.30
Residue on 250 $\mu\text{m}$ Sieve, $\%\leq$	0.50
Physical property	
Density at 20 $^{\circ}\text{C}$ ( $\text{kg}/\text{m}^3$ )	1060
Bulk density( $\text{kg}/\text{m}^3$ )	360-390

**Properties** White crystal powder. Soluble in alcohol, partly soluble in diethyl ether, insoluble in water. is tasteless; good storage stability.

**Applications** DBTU is an ultra-accelerator for mercaptan-modified CR(1-3phr). It has a vulcanization behaviour similar to that of ETU and DETU. It is also used as a secondary accelerator for NR and synthetic rubbers. It disperses easily in rubber. It is non-staining and does not bloom. It is practically odourless antioxidant for NR, antiozonant for NR and SR, particularly SBR. It is also a corrosion inhibitor.

**Package** 25kg plastic woven bag, paper with plastic film bag, 25kg drum.

**Storage** The product should be stored in the dry and cooling place with good ventilation, avoiding exposure of the packaged product to direct sunlight. The product with pallet should not be stacked. Stacking of palletized material or temperature of above 35  $^{\circ}\text{C}$  can cause unusual compacted product. Since the date of production, the storage period is 12 months.