



**DATA-SHEET**

SPECIFICATION & DATA SHEET		Chemical Analysis:	
Product Code:	MSHQD-AC024-00 PT	Chemical Name:	N,N'-Diphenylthiourea
Trade Name:	Rubber Accelerator DPTU (CA)	CAS No.:	102-08-9
Molecular Formula	C <sub>13</sub> H <sub>12</sub> N <sub>2</sub> S	Molecular Weight:	228.31

Product Information:

**\*\*\*Specification**

Appearance (visual inspection):	White powder	Assay Content % Min	96.0
Initial M.P. Min:	148.0	Loss on drying %	0.40
Ash content %	0.30	Residues (63µm)	0.50

**\*\*\*Typical Properties**

White powder or granule. The density is 1.32. A little bitter, flammability, almost no poison. Soluble in alcohol, acetone, diethyl ether, cyclohexanone, tetrahydrofuran, partly soluble in all PVC plasticizers, insoluble in water and CS<sub>2</sub>. Soluble in alkali solutions and precipitation from acid solution.

**\*\*\*Recommended Applications**

Medium-speed vulcanization accelerator. Synergises with sulfur donor to boost vulcanization when used in NR, SBR. Need ZnO to be effective. Used as secondary accelerator in CR & EPDM vulcanization system. Used in latex products, cables and general industrial products. Its critical temperature is 80. Also could be used as raw materials for pharmaceutical and dye and the best reagent for Os and Rh.

**\*\*\*Handling and Storage recommendations**

The product should be stored in the dry and cooling place with good ventilation and should be avoiding hot and sunshine. Usually the shelf time is 12 months while the recommend use of date is 6 months.

**\*\*\*Package**

Bag: 25kg/bag	Pallet(1.1*1.1) : 600kg/P
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