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Rubber Accelerator DPTU (CA)

Chemical Name: N-N'-Diphenylthiourea

structure:

Molecular Formula: C₁₃H₁₂N₂S

Molecular Weight: 228.31

CAS NO: 102-08-9

Specification:

Item	Powder	Oiled powder
	White powder	
Appearance		
Initial M.P. oC ≥	148.0	148.0
Loss on drying % ≤	0.30	0.50
Ash % ≤	0.30	0.30
Residues on 150µm sieve, % ≤	0.10	0.10
Residues on 63µm), % ≤	0.50	0.50
Additive, %	\	0.1-2.0

Properties: White powder. The density is 1.32. A little bitter, flammability, almost no poison. Soluble in alcohol, diethyl ether, acetone, cyclohexanone, tetrahydrofuran, partly soluble in all PVC plasticizers, insoluble in water and CS₂. Soluble in alkali solutions and precipitation from acid solutions

Application: Medium-speed vulcanization accelerator. Synergises with sulfur donor to boost vulcanization when used in NR and SBR. Need zinc oxide to be effective. Used as secondary accelerator in CR vulcanization and EPDR vulcanization system. Used in latex products, cables and general



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industrial products. It's critical temperature is 80oC,so could be used as raw materials for pharmaceutical and dye and the test reagent for Os and Rh

Packaging: 25k~ plastic woven bag, paper with plastic film bag, kraft paper bag

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 validity is 1 year.