



Technical Data Sheet

Pentocure – DPTU

Accelerators

Composition	: N,N –Diphenylthiourea	
Specification	: Color	: Off White to White
	: Appearance	: Powder
	: Melting Point	: 145 - 150 °C
	: Ash Content	: 0.5 % Max
	: Heat Loss	: 0.5 % Max

- Dosage** :
- Use 1 to 2.5 phr with 3 to 5 phr Sulfur
 - Use 1 to 5 phr in polychloroprene latex

- Uses and Benefits** :
- Pentocure – DPTU is a non-discoloring accelerator for polychloroprene, NR and CR latexes and EPDM sponge compounds.
 - Pentocure – DPTU used as secondary accelerator for CR, EPDM and other diene rubbers, aiming at a fast cure and a high degree of crosslinking with little sulfur or by means of sulfur donors.
 - In polychloroprenes, Pentocure – DPTU has better scorch resistance than Pentocure –ETU but faster cure times.
 - Pentocure – DPTU causes a very fast vulcanization of CR and is especially suitable as a secondary accelerator in CR compounds containing ethylene thiourea as a primary accelerator.
 - In EPDM Pentocure – DPTU acts as an additional accelerator and in many cases Pentocure – DPTU reduces the blooming tendency of other accelerators.
 - In other diene rubbers, e.g. in NR and SBR, Pentocure – DPTU proves to be a strong activating agent and a secondary accelerator, especially when sulfurless cures, EV or semi EV systems are used.

Packing : 25 kg Polylinedpolywoven bag / Polylined paper bag.

Storage stability : Up to 1 year in normal storage conditions.

Handling : Consult material safety data sheet (MSDS) for additional handling information for Pentocure – DPTU.

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