



## Technical Data Sheet

### Pentocure – DPTT

### Accelerators

<b>Composition</b>	:	Di-Pentamethylene thiuram tetrasulfide		
<b>Specification</b>	:	Color	:	Light Creamish to Creamish
	:	Appearance	:	Powder
	:	Melting Point	:	115 - 124 °C
	:	Ash Content	:	0.5 % Max
	:	Heat Loss	:	0.5 % Max

**Dosage** :  
• 0.5 – 2.5 phr

**Application** :

- Pentocure - DPTT used in all heat resistant technical articles, e.g. hoses, seals and gaskets especially based on EPDM or IIR
- Pentocure - DPTT used as ultra accelerator for the vulcanization of natural and synthetic rubbers and sulfur donor for vulcanization with low or no free sulfur.
- Pentocure - DPTT also be used as a vulcanizing agent for heat resistant latex.

**Uses and Benefits** :

- Pentocure - DPTT is a non-discoloring and non-staining accelerator. It is a very active sulfur-bearing accelerator and contains approximately 25% available sulfur.
- Pentocure - DPTT imparts unusually good heat resistance to sulfurless compounds and may be used as a primary accelerator for Hypalon and Butyl as well as an excellent secondary accelerator for EPDM.
- Pentocure – DPTT causes very rapid and scorch-safe vulcanization of natural and synthetic rubbers along with good processing safety and in combination with other mercapto- or sulphenamide-type-accelerators, Pentocure - DPTT is acting as activating secondary accelerator.
- In lower dosage, Pentocure - DPTT is also used in conjunction with other thiuramaccelerators. Sulfurless cure or low-sulfur vulcanization provide heat resistant vulcanizates with good aging properties.

**Packing** : 25kg Polylinedpolywoven bag / Polylined paper bag.

**Storage stability** : Up to 1 Year month in normal storage conditions.

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

### PUKHRAJ ADDITIVES LLP

*An ISO 9001:2008 Certified Company*

5B, 5<sup>th</sup> Floor, Diamond House, Plot No. 515, Behind National College,  
TPS III, 35<sup>th</sup> Road, Bandra (W), Mumbai, Maharashtra - 400 050 (INDIA).

Tel: +91-9833538089/+91-22-26494911/26494912/26494913

Email: [info@pukhrajzincolet.com](mailto:info@pukhrajzincolet.com) Visit us at: [www.pukhrajzincolet.com](http://www.pukhrajzincolet.com)