



Technical Data Sheet

Pentocure – MBTS

Accelerators

Composition	:	2-2'-Dithiobis(benzothiazole)	
Specification	:	Color	: Creamish to Greyish
		Appearance	: Powder
		Melting Point	: 172 – 180 °C
		Ash content	: 0.50 % Max
		Heat Loss	: 0.50 % Max

Dosage :
• 0.5 – 1.5 phr

Uses and Benefits :

- Pentocure – MBTS is a semi-ultra fast accelerator for NR, SBR, BR NBR and other highly unsaturated rubbers. It readily disperses in rubber compounds and acts as a retarder for CR based compounds (depending on type of CR used).
- Pentocure – MBTS is a retarder of cure in rubber compounds accelerated using thiurams class accelerators as main accelerator and reduces bloom of thiurams to a great extent.
- Pentocure – MBTS has a long curing range and is safer than Pentocure – MBT at rubber compound processing temperatures.
- Pentocure – MBTS is very active above curing temperature of 140°C giving flat curing characteristics to 'polyisoprene' rubbers (e.g. NR).
- Pentocure – MBTS accelerated compounds exhibit very good tensile and resilience properties when used in combination with other booster accelerators.
- Pentocure – MBTS can safely be used to produce non-discoloring and non-staining rubber products and is particularly recommended for rubber to metal bonded products.
- Pentocure – MBTS shows more retarding effect as compared to Pentocure – MBT in IIR based compounds (e.g. butyl tubes/extrusions, etc.) and serves as an oxidizing agent for GMF/dibenzo GMF to form nitroso groups for rapid cross linking of diene rubbers.
- Pentocure – MBTS is also used in the compounds based on halogenated butyl rubbers and dosages are kept below 3.0 phr level to avoid bloom of thiurams/dithiocarbamates in EPDM based rubber compounds.

Packing : 25kg 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 – MBTS.

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