



NOCIL LIMITED

PILCURE[®] MBTS
ACCELERATOR

Chemical Name	2-2'-Dithiobis(benzothiazole) (MBTS)	
Chemical Structure		
CAS Reg. No.	120-78-5	
Mol. Wt.	332	
Product Specification		
<i>Parameter</i>	<i>Limits</i>	<i>Test Method</i>
Product form	Powder (OT)	-
Colour	Cream	-
Assay (Titration), % (min)	94.0	D 5051
Free MBT, % (max)	1.0	D 5044
Melting Point (Initial), °C (min)	170.0	D 1519
Melting Point (Final), °C	172 - 179	D 1519
Heat Loss, % (max)	0.4	D 4571
Ash,% (max)	0.5	D 4574
Paraffinic Oil (<0.2% PCAH) %	1.0 - 2.0	NOCIL G-40
Residue on 150 µm sieve,% (max)	0.05	D 5461
Residue on 63 µm sieve, % (max)	0.30	D 5461
Typical Data		
Specific gravity at 25°C	1.54	D 1817
Bulk density, kg/m ³	430-470	NOCIL G-44
Bulk density (Comp), kg/m ³	510-550	NOCIL G-44
Product Information		
Solubility	Soluble in chloroform. Slightly soluble in acetone and carbon tetra chloride. Insoluble in water.	
Classification	Semi ultra fast accelerator.	
Discoloration & Staining	Non-discoloring and Non-staining.	
FDA Approval Status	Regulated for use in articles in contact with food under FDA 21 CFR 177.2600, 175.105 and BgW XXI, Categories 1-4.	
Toxicity Data (Please refer to the latest Toxicological information.)	Practically non-harmful. (Oral LD ₅₀ rat over 5000 mg/kg). Not a skin or eye irritant.	
Handling & Personal Protection	Ensure good ventilation and avoid creating dusty atmosphere. In case of eye or skin contacts wash out with clean water for 5 to 10 minutes.	
Storage	Store at room temperature in a cool, dry and well ventilated place. Avoid exposure of the packaged material/ product to direct sunlight & heat.	
Packaging		
Paper / Paper -Fabric Bag	20 kg	
FIBC	500 kg	
Storage Life	36 months	
Colour code	Red colored strip.	