



NOCIL LIMITED

PILCURE[®] MOR
ACCELERATOR

Chemical Name	2-(4- Morpholinothio) benzothiazole (MBS)	
Chemical Structure		
CAS Reg. No.	102-77-2	
Mol. Wt.	252	
Product Specification		
<i>Parameter</i>	<i>Limits</i>	<i>Test Method</i>
Product form	Pellets (2mm)	-
Colour	Off white to light buff	-
Assay (titration), % (min)	97.0	D 4936
Melting point, final, °C	82-88	D 1519
Heat Loss, % (max)	0.3	D 4571
Ash,% (max)	0.3	04574
Methanol Insolubles, % (max)	0.3	04934
Free Amine, % (max)	0.3	04936
Typical Data		
Specific gravity at 25°C	1.36	D 1817
Bulk density, kg/m ³	520- 560	NOCIL G-44
Bulk density (Comp), kg/m ³	530 -570	NOCIL G-44
Product Information		
Solubility	Soluble in acetone, benzene & chloroform. Partially soluble methyl alcohol. Insoluble in water.	
Classification	Fast - Delayed action accelerator.	
Discoloration & Staining	Non staining. At higher dosages slight discoloration.	
FDA Approval Status	Regulated for use in articles in contact with food under FDA 21 CFR 177.2600, and BgW XXI, Category 4.	
Toxicity Data (Please refer to the latest Toxicological information.)	Practically non-hannful. (Oral LD ₅₀ rat over 5000 mg/kg). Not a skin or eye initant. To minimize the possibility of nitrosamines generation; morpholine based chemicals are avoided with nitrosating agents.	
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	Always store in a cool (below 30°C) & dry place in single stack pallets away from direct sun light or any other heat source to avoid compaction. Avoid exposure to acids, acidic materials / atmosphere & high humidity.	
Packaging		
Paper-Fabric Bag	20 kg	
FIBC	500 kg	
Storage Life	12 months when stored as stated above.	
Colour code	Dark Yellow colored strip	