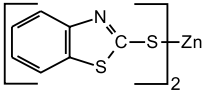




NOCIL LIMITED

PILcure® ZMBT
ACCELERATOR

Chemical Name	Zinc-2-mercaptobenzothiazole (ZMBT)
----------------------	-------------------------------------

Chemical Structure	
--------------------	---

CAS Reg. No.	155-04-4
--------------	----------

Mol. Wt.	398
----------	-----

Product Specification		
------------------------------	--	--

<i>Parameter</i>	<i>Limits</i>	<i>Test Method</i>
Product form	Powder (WT)	-
Colour	White to Cream yellow	-
Free MBT-Grade 1, %	0.0 - 2.0	NOCIL 02-3-04
Free MBT-Grade 2, %	4.0 - 6.0	NOCIL 02-3-04
Free MBT-Grade 3, %	13.5 ± 2.5	NOCIL 02-3-04
Zn Content-Grade 1, %	19.0 - 22.0	NOCIL 02-3-23
Zn Content-Grade 2, %	17.5 - 20.5	NOCIL 02-3-23
Zn Content-Grade 3, %	16.0 - 19.0	NOCIL 02-3-23
Heat Loss, % (max)	0.5	D 4571
Residue on 150 µm sieve, % (max)	Nil	D 5461
Residue on 63 µm sieve, % (max)	0.50	D 5461

Typical Data		
---------------------	--	--

Specific gravity at 25°C	1.70-1.77	D 1817
Bulk density, kg/m ³	490- 530	NOCILG-44
Bulk density (Comp), kg/m ³	620 - 660	NOCILG-44

Product Information	
----------------------------	--

Solubility	Soluble in dilute alkali. Slightly soluble in alcohol, benzene & chlorinated solvents. Insoluble in water and gasoline.
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, 178.3120 and BgW XXI, Categories 3-4.
Toxicity Data (Please refer to the latest Toxicological information.)	Non-harmful. (Oral LD ₅₀ rat over 5000 mg/kg). Slight skin and eye irritant.
Handling & Personal Protection	Ensure good ventilation and avoid creating dusty atmosphere. In case of eye or skin contact, 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 -Fabric Bag	20 kg
FIBC	500 kg
Storage Life	24 months
Colour code	Yellow colored strip.