



NOCIL LIMITED

PILCURE® ZDC
ACCELERATOR

Chemical Name	Zinc diethyldithiocarbamate (ZnDEC)	
Chemical Structure		
CAS Reg. No.	14324-55-1	
Mol. Wt.	362	
Product Specification		
<i>Parameter</i>	<i>Limits</i>	<i>Test Method</i>
Product form	Powder	-
Colour	White-Off white	-
Assay (titration) ,% (min)	96.0	NOCIL 02-3-56
Melting Point, initial, °C (min)	173	D 1519
Melting point , final, °C (min)	176	D 1519
Heat Loss, % (max)	0.3	D 4571
Zn Content, %	17.5-18.5	NOCIL 02-3-23
Residue on 150 µm sieve, % (max)	0.10	D 5461
Residue on 63 µm sieve,% (max)	0.30	D 5461
Typical Data		
Specific gravity at 25°C	1.45	D 1817
Bulk density, kg/m ³	410-450	NOCIL G-44
Bulk density (Comp), kg/m ³	550- 590	NOCIL G-44
Product Information		
Solubility	Soluble in methylene chloride, benzene; partly soluble in acetone and carbon tetrachloride and insoluble in alcohol and water.	
Classification	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 175.105, 177.2600, and BgW XXI, Categories 1-4, & 'Sonderkategorie'.	
Toxicity Data (Please refer to the latest Toxicological information.)	Slightly harmful by mouth. (Oral LD ₅₀ rat over 2000 mg / kg). Not a skin sensitizer. Can cause alcohol intolerance.	
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. If swallowed, seek medical advice	
Storage	Always store in a cool (below 35°C) & dry place in single stack pallets away from direct sun light or any other heat source to avoid grit formation.	
Packaging		
Paper-Fabric Bag	20 kg	
FIBC	-	
Storage Life	24 months	
Colour code	Navy Blue colored strip.	