



NOCIL LIMITED

**PILCure® CBS**  
ACCELERATOR

<b>Chemical Name</b>	N-cyclohexyl-2-benzothiazolesulfenamide (CBS)		
<b>Chemical Structure</b>			
CAS Reg. No.	95-33-0		
Mol. Wt.	264		
<b>Product Specification</b>			
<i>Parameter</i>	<i>Limits</i>		<i>Test Method</i>
Product form	Pellets (4mm)	Powder(OT)	-
Colour	Off white-cream	Off white-cream	-
Assay (titration),% (min)	96.0	95.0	D 4936
Melting Point, initial, °C (min)	97.0	96.0	D 1519
Melting point , final, °C	99 - 105	98-105	D 1519
Heat Loss, % (max)	0.3	0.3	D 4571
Methanol Insolubles, % (max)	0.4	0.4	D 4934
Free Amine, % (max)	0.5	0.5	D 4936
Ash,% (max)	0.3	0.3	D 4574
Paraffinic Oil (<0.2% PCAH), %	Not applicable	1.0 - 2.0	NOCIL 02-3-43
Residue on 150 µm sieve,% (max)	Not applicable	0.05	D 5461
Residue on 63 µm sieve,% (max)	Not applicable	0.5	D 5461
<b>Typical Data</b>			
Specific gravity at 25°C	1.27		D 1817
Bulk density, kg/m <sup>3</sup>	420-460	410-450	NOCIL G-44
Bulk density (Comp), kg/m <sup>3</sup>	430-470	540- 580	NOCIL G-44
<b>Product Information</b>			
Solubility	Soluble in acetone, benzene, naptha, carbon tetrachloride & ethyl acetate. Partially soluble in ethyl / 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-harmful. (Oral LD <sub>50</sub> 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	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		
<b>Packaging</b>			
Paper -Fabric Bag	20 kg		
FIBC	500 kg		
Storage Life	12 months when stored as stated above.		
Colour code	Dark Green colored strip.		