



SOVEREIGN CHEMICAL COMPANY

1225 West Market St., Akron OH 44313

Phone: 330-869-0500, Fax: 330-869-0518

www.sovchem.net

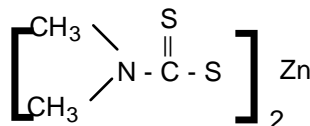
Sovchem® ZDMC

Manufacturer: Sovereign Chemical Company

Classification: Dithiocarbamate Accelerator

Chemical Composition

Chemical Structure:



Empirical Formula: $\text{C}_6\text{H}_{12}\text{N}_2\text{S}_4\text{Zn}$

Molecular Weight: 305.4

CA Nomenclature: Zinc, bis (dimethylcarbamo-dithioato-S-S')

Synonym Nomenclature: Zinc dimethyldithiocarbamate, Ziram

Physical Data

Specification Properties

	Value		Test Method
	Powder	Oiled Powder	
Melting Point (initial), °C	240 min	240 min	GB11409.1
Heat Loss, % by mass	0.30 max	0.40 max	GB11409.4
Zinc Content, % by mass	20.0-22.0	20.0-22.0	SCC-119
Sieve Retention, % on 150 μ	0.10 max	0.10 max	GB11409.5-89
Sieve Retention, % on 63 μ	0.50 max	0.50 max	GB11409.5-89
Additive, %		1.0-2.0	

Typical Properties

	Value	Test Method
Physical Form	White powder	Visual

Applications

Uses: Used for NR, IR, BR, SBR, NBR, HR, EPDM and natural and synthetic latexes. Stronger accelerating power than TMTD. Strong resistance to scorching. In its handling, care should be taken because of its increase activation and strong tendency to scorch at low temperatures (100° C). Often used as a secondary accelerator. In latex, better results are obtained when used in combination with other types such as thiazole accelerators. Used for rubber coated fabrics, latex products and rubber cement, etc. FDA approved in USA.

Packaging and Storage

Packaging: 25 Kg (55.1 lb.) Bag

Shelf Life: 2 year from date of manufacture if stored as indicated below

Storage: Product should be stored in cool, dry place with good ventilation, avoiding exposure of the packaged product to direct sunlight.

Specification Date: June 1, 2011 (Supersedes August 10, 2010)