

**SOVEREIGN CHEMICAL COMPANY**

1225 West Market Street,

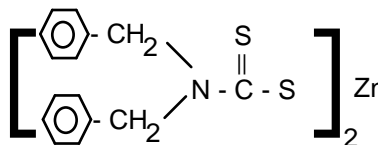
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www.sovchem.net

Sovchem® ZBEC**Manufacturer:** Sovereign Chemical Company**Classification:** Dithiocarbamate Accelerator**Chemical Composition**

Chemical Structure:

Empirical Formula: $C_{30}H_{28}N_2S_4Zn$

Molecular Weight: 610.18

CA Nomenclature: Zinc, bis(dibenzylidithiocarbamate)

Synonym Nomenclature: Zinc dibenzylidithiocarbamate

Physical Data**Specification Properties**

	Value		Test Method
	Powder	Oiled Powder	
Melting Point (initial), °C	180 min	180 min	GB11409.1
Heat Loss, % by mass	0.30 max	0.40 max	GB11409.4
Zinc Content, % by mass	10.0-12.0	10.0-12.0	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: Safe-processing secondary accelerator. Can be used as primary in latex. High resistance to hydrolysis, low solubility in rubbers. Fast at higher vulcanization temperatures. It has longest anti-scorching capability in the dithiocarbamates. Recognised to have low nitrosamine potential. Used in sheeting, extrusions and latex. Used in NR, IIR, SBR, and EPDM.

Packaging and Storage

Packaging: 20 Kg (44.1 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)