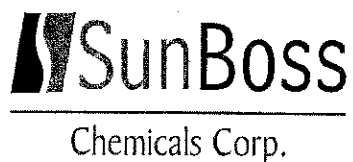


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Technical Data Sheet

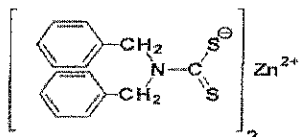
ZBEC

Zinc dibenzyl dithiocarbamate

CAS Number: 14727-36-4

Molecular weight: 610.18

Molecular formula: $C_{30}H_{28}N_2S_4Zn$



PRODUCT INFORMATION

PRODUCT SPECIFICATIONS		GRANULES	OIL POWDER	POWDER
Appearance		White granules	White oil powder	White powder
Initial Melting Point	°C min	180.0	180.0	180.0
Zinc content	%	10.0-12.0	10.0-12.0	10.0-12.0
Loss on drying	% max	0.30	0.40	0.30
Residue on sieve (63 µm)	% max	-	0.50	0.50
Residue on sieve (150µm)	% max	-	0.10	0.10
Oil content	%	-	0.0-2.0	-
<u>Typical properties</u>				
Density	g/cm ³	1.42		
<u>Packaging</u>				
Bag		25kg (55 lbs)		
Pallet		500kg or 600kg (1102 lbs or 1323 lbs)		

FUNCTION

ZBEC is a safe-processing secondary accelerator and can be used as a primary accelerator in latex.

APPLICATIONS AND PROPERTIES

- ZBEC is used as a primary or secondary ultra-accelerator in NR, IR, BR, SBR, NBR, HR, EPDM and their latexes.
- Product has less accelerating effects than ZDMC and ZDEC.
- Effectively used in both natural and synthetic latexes for faster curing under normal (low) temperatures than ZDMC and ZDEC, with less scorching and blooming.
- ZBEC has a high resistance to hydrolysis and low solubility in rubbers.
- Recognized to have low nitrosamine potential.
- Used in sheeting, extrusions and latex.
- Soluble in CS₂, benzene, chloroform, alcohol, diethyl ether.
- Insoluble in water and low concentration alkali.
- ZBEC is regulated for use under the following sections of FDA 21 CFR:
 - 175.105 – Components of Adhesives.
 - 177.2600 – Rubber Articles Intended for Repeated Use in Food Contact.

STORAGE

Material should be stored in a tightly closed container in a cool, dry, well ventilated area. Avoid exposure to direct sunlight. The maximum recommended storage life is 2 years when stored under normal conditions.

HANDLING PRECAUTIONS

For detailed information on toxicological properties and handling precautions, please refer to the current Safety Data Sheet. This information is available by request from **SunBoss Chemicals Corp.**

[Revised: November 6, 2014 by kk]