



Chemicals Corp.

Technical Data Sheet

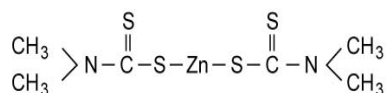
ZDMC

Zinc dimethyl dithiocarbamate

CAS Number: 137-30-4

Molecular weight: 305.4

Molecular formula: $C_6H_{12}N_2S_4Zn$



PRODUCT INFORMATION

PRODUCT SPECIFICATIONS		GRANULES	OIL POWDER	POWDER
Appearance		White granules	White oil powder	White powder
Melting Point	°C min	240.0	240.0	240.0
Zinc content	%	20.0-22.0	20.0-22.0	20.0-22.0
Loss on drying	% max	0.30	0.40	0.30
Residue on sieve (63 μm)	% max	-	0.50	0.50
Residue on sieve (150 μm)	% max	-	0.10	0.10
Oil content	%	-	0.0-2.0	-
<u>Typical properties</u>				
Density	g/cm ³	1.66		
<u>Packaging</u>				
Bag		25kg (55 lbs)		
Pallet		500kg or 600kg (1102 lbs or 1323 lbs)		

FUNCTION

ZDMC is used as a primary or secondary (ultra) accelerator for synthetic rubber and their latexes.

APPLICATIONS AND PROPERTIES

- ZDMC is used for NR, IR, BR, SBR, NBR, HR, EPDM and natural & synthetic latexes.
- Product has a stronger accelerating power than TMTD and a strong resistance to scorching.
- Care should be operated, because of its increased 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.
- Product has no taste and is non poisonous.
- Soluble in lower concentration alkali, CS₂, benzene, acetone, and CH₂Cl₂. Partly soluble in chloroform.
- Insoluble in alcohol, CCl₄, ethyl acetate and water.
- ZDMC 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,
 - 178.3120 - Certain Adjuvants and Production Aids – Animal Glue.

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]