

GELEST, INC.

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MATERIAL SAFETY
DATA SHEET

EMERGENCY TELEPHONE
CHEMTREC: 1-800-424-9300

NAME USED ON LABEL: **ZINC DIMETHYLAMINOETHOXIDE - AKZ933**

CHEMICAL NAME: ZINCDIMETHYLAMINOETHOXIDE

SYNONYMS: ZINCDIMETHYLAMINOETHYLATE

CHEMICAL FAMILY: ZINC COMPOUND

FORMULA: C₈H₂₀N₂O₂Zn

HMIS CODES HEALTH: 3 FLAMMABILITY: 2 REACTIVITY: 1

INGREDIENTS

IDENTITY	CAS NO.	%	TLV
ZINCDIMETHYLAMINOETHOXIDE	51223-30-4	>95	not established

PHYSICAL DATA

Boiling Point: 170° at 0.0001 - subl.

Specific Gravity: not determined

Vapor Density: NA

% volatiles: NA

Molecular Weight: 241.63

Appearance & Color: White to off-white crystals, characteristic odor

Melting Point: not determined

Vapor Pressure: N/A

Solubility in water: reacts

Evaporation rate: N/A

FIRE & EXPLOSION DATA

Flash Point, COC: NA

Autoignition Temp.: not determined

Flammability Limits- LEL: NA UEL: NA

Extinguishing Media: Water spray, foam, carbon dioxide, dry chemical.

Special Fire Fighting Procedures: Avoid eye and skin contact. Do not breathe fumes or inhale vapors.

Unusual Fire and Explosion Hazards: Irritating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open flame.

-1-(AKZ933)

ENVIRONMENTAL INFORMATION

Spill response: Sweep material and transfer to a suitable container for disposal.

Recommended Disposal: Dispose of as solid waste. Follow all chemical pollution control regulations.

HEALTH HAZARD DATA

Health hazards of this material are expected to be associated with the hydrolysis products: methoxyethanol and zinc oxide.

Eye Contact: May cause immediate or delayed severe eye irritation.

Skin contact: May produce irritation or contact dermatitis. Prompt and thorough washing with soap and water will reduce or eliminate potential dermal effects.

Inhalation: Inhalation of dust or particulates may irritate the respiratory tract.

Oral Toxicity: not determined
Chronic Toxicity: not determined

SUGGESTED FIRST AID

EYES: In case of contact, immediately flush eyes with flowing water for at least 15 minutes. Get medical attention.

SKIN: Flush with water, then wash with soap and water.

INHALATION: Move exposed individual to fresh air. Administer oxygen if needed. Call a physician.

INGESTION: Never give fluids or induce vomiting if patient is unconscious or having convulsions. Get medical attention.

REACTIVITY DATA

Stability: Stable

Conditions to avoid: Material decomposes slowly in contact with water.

Hazardous decomposition products: Organic acid vapors and zinc oxide fumes.

-2-(AKZ933)

SPECIAL PROTECTION INFORMATION

Ventilation: Local exhaust is required. Mechanical is recommended.

Respiratory Protection: If exposure exceeds TLV, NIOSH approved dust and mist respirator.

Eye and Face Protection: Chemical worker's goggles. Do not wear contact lenses.

Other Clothing and Equipment: Rubber, neoprene or nitrile gloves. An eyewash and emergency shower should be available. Launder clothing before reuse.

OTHER PRECAUTIONS

For research use only.

Storage and Handling: Store in sealed containers.

TRANSPORTATION

DOT SHIPPING NAME: CHEMICALS, NOI

DOT HAZARD CLASS: None required

DOT LABEL: None required

DOT ID No: None required

Prepared by safety and environmental affairs

ISSUE DATE AKZ933: 3/17/03

SUPERSEDES: 3/25/94

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