

# GELEST, INC.

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MATERIAL SAFETY  
DATA SHEET

EMERGENCY TELEPHONE  
CHEMTREC: 1-800-424-9300

NAME USED ON LABEL: **ZINC 8-HYDROXYQUINOLINATE - AKZ933.8**

CHEMICAL NAME: ZINC 8-HYDROXYQUINOLINATE

SYNONYMS: BIS(8-OXYQUINOLINE)ZINC; ZINC OXINATE

CHEMICAL FAMILY: ZINC COMPOUND

FORMULA:  $C_{18}H_{12}N_2O_2Zn$

HMIS CODES HEALTH: 3 FLAMMABILITY: 2 REACTIVITY: 0

## INGREDIENTS

### IDENTITY

ZINC 8-HYDROXYQUINOLINATE

CAS NO.

%

TLV

13978-85-3 >95 not established  
(OSHA PEL, nuisance dust: 15mg/m<sup>3</sup>)

## PHYSICAL DATA

Boiling Point: not determined

Specific Gravity: >1

Vapor Density: NA

% volatiles: <1

Molecular Weight: 353.68

Appearance & Color: Bright yellow powder

Melting Point: >350°C with decomposition

Vapor Pressure: 25°C <0.1mm

Solubility in water: insoluble

Evaporation rate: NA

Other: NA

## 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-(AKZ933.8)

## 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

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

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 or cause congestion of nasal mucous membranes.

Oral Toxicity: not determined

Chronic Toxicity: not determined- a similar compound, copper hydroxyquinolate, is an experimental tumorigen with mutagenic data reported

### 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: Oxidizers

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

-2-(AKZ933.8)

## 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 AKZ933.8: 9/12/02  
SUPERSEDES: 4/24/01

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