**GELEST, INC.**
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Phone: (215) 547-1015

MATERIAL SAFETY
DATA SHEET

EMERGENCY TELEPHONE
CHEMTREC: 1-800-424-9300

NAME USED ON LABEL: **COPPER II ETHOXIDE - AKC250**
CHEMICAL NAME: COPPER II ETHOXIDE
SYNONYMS: CUPRIC ETHYLATE
CHEMICAL FAMILY: COPPER COMPOUND
FORMULA: $C_4H_{10}O_2Cu$
HMIS CODES HEALTH: 3 FLAMMABILITY: 1 REACTIVITY: 1

## INGREDIENTS

| IDENTITY | CAS NO. | % | TLV |
|---|---|---|---|
| COPPER II ETHOXIDE | 2850-65-9 | >95 | not established |

## PHYSICAL DATA

Boiling Point: NA
Melting Point: 120°C - decomposes
Specific Gravity: not determined
Vapor Pressure @ 25°: <1mm
Vapor Density: NA
Solubility in water: insoluble
% volatiles: <3
Evaporation rate: NA
Molecular Weight: 153.67
Other: NA
Appearance & Color: Blue solid, characteristic odor of ethanol

## 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.



Abbreviations: ND: Not Determined, No Data; NA: Not Applicable; LD: Lethal Dose, LC: Lethal Concentration; H: hour; °: °C unless otherwise stated; mm: millimeters Hg, torr; PEL: permissible exposure level; TWA: time weighted average; TLV: threshold limit value; HMIS: Hazardous Material information System; CAS No.: Chemcial Abstract Service Registration Number
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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.

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 on contact with air by reaction with water.
Hazardous decomposition products: Organic acid and organic vapors and copper oxide fumes.



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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: None required
DOT HAZARD CLASS: None required
DOT LABEL: None required
DOT ID No: None required

Prepared by safety and environmental affairs ISSUE DATE AKC250: 10/8/02
SUPERSEDES: 8/28/92

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