

GELEST, INC.

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MATERIAL SAFETY
DATA SHEET

EMERGENCY TELEPHONE
CHEMTREC: 1-800-424-9300

NAME USED ON LABEL: **ALUMINUM PHENOXIDE, 95% - AKA082**
CHEMICAL NAME: ALUMINUM PHENOXIDE
SYNONYMS: ALUMINUM PHENYLATE; ALUMINUM TRIPHENOXIDE
CHEMICAL FAMILY: ALUMINUM ALCOHOLATE
FORMULA: C₁₈H₁₅O₃Al
HMIS CODES HEALTH: 3 FLAMMABILITY: 1 REACTIVITY: 0

INGREDIENTS

IDENTITY	CAS NO.	%	TLV	OSHA PEL
ALUMINUM PHENOXIDE	15086-27-8	>95	not established	(OSHA PEL PHENOL: TWA 5ppm skin)

PHYSICAL DATA

Boiling Point: >250°C	Melting Point: (265°)-decomposes
Specific Gravity: 1.23	Vapor Pressure: not determined
Vapor Density: NA	Solubility in water: reacts
% volatiles: <5%	Evaporation rate: N/A
Molecular Weight: 306.30	Other: N/A
Appearance & Color: White powder, characteristic odor of phenol	

FIRE & EXPLOSION DATA

Flash Point, COC: not determined Autoignition Temp.: not determined
Flammability Limits- LEL: NA UEL: NA

Aluminum phenoxide is a combustible solid.

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.

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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: Will 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 air by reaction with moisture, liberating phenol and aluminum hydroxide. Avoid contact with water.

Hazardous decomposition products: Organic acid vapors, phenol and aluminum 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 and industrial use only.

Storage and Handling: Store in sealed containers. Do not allow dust to accumulate in work areas.

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 AKA082: 9/17/02

SUPERSEDES: 7/31/98

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