GELEST, INC.
11 East Steel Rd.  Morrisville, PA 19067
Phone: (215) 547-1015

MATERIAL SAFETY DATA SHEET

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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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.: Chemical Abstract Service Registration Number Gelest, Inc. © 2008
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 phenolol 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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