

GELEST, INC.
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MATERIAL SAFETY
DATA SHEET

EMERGENCY TELEPHONE
CHEMTREC: 1-800-424-9300

NAME USED ON LABEL: **ALUMINUM TETRAMETHYLHEPTANEDIONATE - AKA085**

CHEMICAL NAME: ALUMINUM TETRAMETHYLHEPTANEDIONATE

SYNONYMS: ALUMINUM TMHD, ALUMINUM DPM

CHEMICAL FAMILY: ALUMINUM COMPOUND

FORMULA: $C_{33}H_{57}O_6Al$

HMIS CODES HEALTH: 2 FLAMMABILITY: 1 REACTIVITY: 0

INGREDIENTS

IDENTITY	CAS NO.	%	TLV
ALUMINUM TETRAMETHYLHEPTANEDIONATE	14319-08-5	>95	not established

PHYSICAL DATA

Boiling Point: 340°C- decomposes Melting Point: 232-5°C

Specific Gravity: NA Vapor Pressure, 75°: 0.02mm

Vapor Density: NA

Solubility in water: insoluble

% volatiles: <1

Evaporation rate: NA

Molecular Weight: 648.17

Other: NA

Appearance & Color: White to pale yellow powder, very slight odor

FIRE & EXPLOSION DATA

Flash Point, COC: NA

Autoignition Temp.: not determined

Flammability Limits- LEL: NA UEL: NA

Extinguishing Media: 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
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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: Strong oxidizers.

Hazardous decomposition products: Organic acid vapors 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 use only.

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

TRANSPORTATION

DOT SHIPPING NAME: CHEMICALS, NOI

DOT HAZARD CLASS: NOT REGULATED

DOT LABEL: NONE REQUIRED

DOT ID No: NONE REQUIRED

Prepared by safety and environmental affairs

ISSUE DATE AKA085: 9/17/02

SUPERSEDES: 2/7/94

The information contained in this document has been gathered from reference materials and/or Gelest, Inc. test data and is to the best knowledge and belief of Gelest, Inc. accurate and reliable. Such information is offered solely for your consideration, investigation and verification. It is not suggested or guaranteed that the hazard precautions or procedures described are the only ones which exist. Gelest, Inc. makes no warranties, express or implied, with respect to the use of such information and assumes no responsibility therefore.

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