

GELEST, INC.

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MATERIAL SAFETY
DATA SHEET

EMERGENCY TELEPHONE
CHEMTREC: 1-800-424-9300

NAME USED ON LABEL: **SODIUM ACRYLATE, hemihydrate - CXSO016**

CHEMICAL NAME: SODIUM ACRYLATE, hemihydrate

SYNONYMS: ACRYLIC ACID, SODIUM SALT

CHEMICAL FAMILY: ACRYLIC SALT

FORMULA: $C_3H_6O_2Na \cdot 1/2H_2O$

HMIS CODES HEALTH: 3 FLAMMABILITY: 2 REACTIVITY: 0

INGREDIENTS

IDENTITY	CAS NO.	%	TLV
SODIUM ACRYLATE	7446-81-3	>95 (OSHA PEL, nuisance dust: 15mg/m ³)	not established

PHYSICAL DATA

Boiling Point: NA	Melting Point: 230°
Specific Gravity: not determined	Vapor Pressure, 25°: not determined
Vapor Density: NA	Solubility in water: soluble
% volatiles: <3	Evaporation rate: NA
Molecular Weight: 94.04 (103.05)	Other: NA
Appearance & Color: White to off-white powder	

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-(CXSO016)

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 mild 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: Non-hazardous polymerization can occur at elevated temperatures.

Conditions to avoid: Strong oxidizing agents

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

-2-(CXSO016)

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 away from exposure to light.

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 CXSO016: 3/31/03
SUPERSEDES: 5/11/94

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