

GELEST, INC.

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MATERIAL SAFETY
DATA SHEET

EMERGENCY TELEPHONE
CHEMTREC: 1-800-424-9300

NAME USED ON LABEL: **ALLYL ACRYLATE - ENEA0020**
CHEMICAL NAME: ALLYL ACRYLATE
SYNONYMS: 3-ACRLOXYPROPENE; 2-PROPENYL ACRYLATE
CHEMICAL FAMILY: ESTER
FORMULA: C₆H₈O₂

HMIS CODES HEALTH: 3 FLAMMABILITY: 3 REACTIVITY: 1

IDENTITY	INGREDIENTS			OSHA PEL
	CAS NO.	%	TLV	
ALLYL ACRYLATE	999-55-3	>95		not established

PHYSICAL DATA	
Boiling Point: 46-7°C @ 40mm	Freezing Point: <0°C
Specific Gravity: 0.935	Vapor Pressure, 20°: <10 mm
Vapor Density (air = 1): >1	Solubility in water: slightly soluble
% volatiles: <3%	Evaporation rate (butyl acetate = 1): ~1
Molecular Weight: 112.13	
Appearance & Color: clear liquid with acrid odor, mildly lachrymatory	

FIRE & EXPLOSION DATA

Flash Point, COC: 32°C (90°F) Autoignition Temp.: not determined
Flammability Limits: not determined

Extinguishing Media: Water spray or fog, 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-(ENEA0020)

ENVIRONMENTAL INFORMATION

Spill response: Sweep material and transfer to a suitable container for disposal.

Recommended Disposal: Incinerate. Follow all chemical pollution control regulations.

HEALTH HAZARD DATA

Eye Contact: Lacrymator, will cause immediate or delayed eye irritation.

Skin contact: May cause skin irritation. May cause sensitization. Avoid Contact.

Inhalation: No information available. Avoid inhalation.

Oral Toxicity- rat, LDLo: 500mg/kg

Inhalation Toxicity- rat, LC50: 152ppm/4H

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. To conscious individual give one full cup of water to dilute ingested material. Get medical attention.

REACTIVITY DATA

Stability: Unstable

Conditions to avoid: Store away from oxidizers.

Hazardous decomposition products: Organic acid vapors.

Hazardous Polymerization: May occur if heated in the presence of radical initiators or exposure to ultraviolet light.

SPECIAL PROTECTION INFORMATION

Ventilation: Local exhaust is required. Mechanical is recommended.

Respiratory Protection: If exposure exceeds TLV, NIOSH approved full face organic vapor 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.

-2-(ENEA0020)

OTHER PRECAUTIONS

For research use only.

Storage and Handling: Store in sealed containers, below 25°. Avoid exposure to light

TRANSPORTATION

DOT SHIPPING NAME: FLAMMABLE LIQUID, TOXIC, N.O.S. (ALLYL ACRYLATE)

DOT HAZARD CLASS: 3 SUB: 6.1

DOT LABEL: FLAMMABLE LIQUID & TOXIC

DOT ID No: 1992 PG: I

Prepared by safety and environmental affairs ISSUE DATE ENEA0020: 12/15/11
SUPERSEDES: none

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-3-(ENEA0020)

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