

GELEST, INC.

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MATERIAL SAFETY
DATA SHEET

EMERGENCY TELEPHONE
CHEMTREC: 1-800-424-9300

NAME USED ON LABEL: **3-AMINOPROPYLTRIBUTYLGERMANE - GEA0600**

CHEMICAL NAME: 3-AMINOPROPYLTRIBUTYLGERMANE

SYNONYMS: 3-(TRIBUTYLGERMYL)PROPYLAMINE

CHEMICAL FAMILY: ORGANOGERMANIUM

FORMULA: C₁₄H₃₅NGe

HMIS CODES HEALTH: 3 FLAMMABILITY: 1 REACTIVITY: 0

INGREDIENTS

IDENTITY	CAS NO.	%	TLV
3-AMINOPROPYLTRIBUTYLGERMANE	5830-55-7	>95	not established
OTHER ORGANOGERMANIUMS		<5	not established

PHYSICAL DATA

Boiling Point: 105-9°C at 0.2mm

Specific Gravity: 0.982

Vapor Density (air=1): >1

% volatiles: <3

Molecular Weight: 302.04

Appearance & Color: Clear to straw liquid; mild odor

Freezing Point: <0°C

Vapor Pressure: not determined

Solubility in water: insoluble

Evaporation rate (butyl acetate = 1): <1

Other: N/A

FIRE & EXPLOSION DATA

Flash Point, TCC: >110°C (>230°F) 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-(GEA0600)

ENVIRONMENTAL INFORMATION

Spill response: Cover spill with absorbent material. Transfer to a suitable container for disposal.

Recommended Disposal: Dispose of absorbent material as solid waste. Follow all chemical pollution control regulations.

HEALTH HAZARD DATA

Eye Contact: May cause immediate or delayed severe eye irritation. The onset of irritation may not occur until several hours after exposure.

Skin contact: May produce irritation or contact dermatitis which may be delayed several hours. Prompt and thorough washing with soap and water will reduce or eliminate potential dermal effects.

Inhalation: Inhalation of vapors or particulates of organogermanes may irritate the respiratory tract.

Oral Toxicity: Not determined

Chronic Toxicity: There are no known chronic effects related to this compound.

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. 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: none known

Incompatibility (materials to avoid): Oxidizers.

Hazardous decomposition products: Organic Acid Vapors.

-2-(GEA0600)

SPECIAL PROTECTION INFORMATION

Ventilation: Local exhaust is required. Mechanical is recommended.

Respiratory Protection: If exposure exceeds TLV air-supplied or combination organic vapor amine gas 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.

TRANSPORTATION

DOT SHIPPING NAME: CHEMICALS, NOI
DOT HAZARD CLASS: NOT REGULATED
DOT LABEL: NOT REQUIRED
DOT ID No: NOT REQUIRED

Prepared by safety and environmental affairs ISSUE DATE GEA0600: 4/7/03
SUPERSEDES: 6/15/01

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