

GELEST, INC.

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MATERIAL SAFETY
DATA SHEET

EMERGENCY TELEPHONE
CHEMTREC: 1-800-424-9300

NAME USED ON LABEL: **ANILINOTRIMETHYLSILANE - SIA0710.0**

CHEMICAL NAME: ANILINOTRIMETHYLSILANE

SYNONYMS: N-TRIMETHYLSILYLANILINE

CHEMICAL FAMILY: ORGANOSILANE

FORMULA: C₉H₁₅NSi

HMIS CODES HEALTH: 3 FLAMMABILITY: 2 REACTIVITY: 1

INGREDIENTS

IDENTITY	CAS NO.	%	TLV	OSHA PEL
ANILINOTRIMETHYLSILANE	3768-55-6	>95	not established	(ANILINE - OSHA PEL: TWA 5ppm (skin))

PHYSICAL DATA

Boiling Point: 98-9°C at 19mm

Specific Gravity: 0.940

Vapor Density (air=1): >1

% volatiles: NA

Molecular Weight: 165.31

Appearance & Color: Clear to amber liquid with amine odor.

Freezing Point: <0°C

Vapor Pressure: not determined

Solubility in water: insoluble, reacts

Evaporation rate: NA

Other: NA

FIRE & EXPLOSION DATA

Flash Point, COC: >65°C (>150°F)

Autoignition Temp.: not determined

Flammability Limits: not determined

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.

ENVIRONMENTAL INFORMATION

Spill response: May be hazardous to aquatic life if released to open waters. Cover spill with absorbent material. Transfer to a suitable container for disposal.

Recommended Disposal: May be incinerated. Alternately, absorb onto clay or vermiculite and dispose of absorbent material as solid waste. Follow all chemical pollution control regulations.

HEALTH HAZARD DATA

Eye Contact: Vapors may cause immediate or delayed severe eye irritation. Liquid will cause severe conjunctivitis and corneal damage

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 will irritate the respiratory tract. Overexposure may produce coughing, headache and nausea.

Oral Toxicity: not determined

Chronic Toxicity: There are no known chronic effects related to this compound. Aniline, a hydrolysis product, is toxic, a severe irritant, and causes formation of methemoglobin among other effects.

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 in sealed containers in a cool place.

Conditions to avoid: Combustible; avoid contact with heat, sparks or open flame.

Incompatibility (materials to avoid): Reacts with water and moisture in air liberating methylamine. Avoid contact with peroxides, oxidizing agents, alcohols, acids.

Hazardous decomposition products: Organic acid vapors, aniline.

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 and industrial use only.

Storage and Handling: Store in sealed containers.

TRANSPORTATION

DOT SHIPPING NAME: TOXIC LIQUID, ORGANIC, N.O.S. (ANILINOTRIMETHYLSILANE)

DOT HAZARD CLASS: 6.1

DOT LABELS: TOXIC

DOT ID No: UN2810

PG III

Prepared by safety and environmental affairs ISSUE DATE SIA0710.0: 5/7/03

SUPERSEDES: 11/17/99

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