

GELEST, INC.

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MATERIAL SAFETY
DATA SHEET

EMERGENCY TELEPHONE
CHEMTREC: 1-800-424-9300

NAME USED ON LABEL: **N-(t-BUTYLDIMETHYLSILYL)PHTHALIMIDE - SIB1966.5**

CHEMICAL NAME: N-(t-BUTYLDIMETHYLSILYL)PHTHALIMIDE

SYNONYMS: PHTHALIMIDO-t-BUTYLDIMETHYLSILANE

CHEMICAL FAMILY: ORGANOSILANE

FORMULA: C₁₄H₁₉NO₂Si

HMIS CODES HEALTH: 2 FLAMMABILITY: 2 REACTIVITY: 1

INGREDIENTS

IDENTITY	CAS NO.	%	TLV
N-(t-BUTYLDIMETHYLSILYL)PHTHALIMIDE	79293-84-8	>95%	not established

PHYSICAL DATA

Boiling Point: 168-70°C	Freezing Point: 115-9°C
Specific Gravity: ~ 1	Vapor Pressure: not determined
Vapor Density (air =1): >1	Solubility in water: insoluble, reacts
% volatiles: <3%	Evaporation rate: NA
Molecular Weight: 261.39	Other: NA
Appearance & Color: Clear to straw liquid with mild odor	

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.

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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 eye irritation. Liquid can 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 may 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. The hydrolysis product, phthalimide, is moderately toxic TOXICITY-oral- mouse, LD50: 5000mg/kg

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 stored.

Conditions to avoid: Avoid contact with heat, sparks or open flame. Degrades at temperatures above 150°C.

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

Hazardous decomposition products: Phthalimide

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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 LABELS: Not Required

DOT ID No: Not Required

Prepared by safety and environmental affairs

ISSUE DATE SIB1966.5: 8/17/07

SUPERSEDES: none

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