

GELEST, INC.

11 East Steel Rd. Morrisville, PA 19067
Phone: (215) 547-1015

MATERIAL SAFETY
DATA SHEET

EMERGENCY TELEPHONE
CHEMTREC: 1-800-424-9300

NAME USED ON LABEL: **SODIUM THIENYLDIMETHYLSILANOLATE 2M - SIS6987.0**

CHEMICAL NAME: SODIUM THIENYLDIMETHYLSILANOLATE 2M
in METHYLTETRAHYDROFURAN

SYNONYMS: SODIUM THIENYLDIMETHYLSILOXIDE in METHYLTETRAHYDROFURAN

CHEMICAL FAMILY: ORGANOSILANE

FORMULA: C₆H₉NaOSSi

HMIS CODES HEALTH: 3 FLAMMABILITY: 4 REACTIVITY: 1

INGREDIENTS

IDENTITY	CAS NO.	%	TLV	OSHA
SODIUM THIENYLDIMETHYLSILANOLATE	879904-87-7	35-40	not established	
METHYLTETRAHYDROFURAN	96-47-9	50-65	not established	

PHYSICAL DATA

Boiling Point: initial 78°C (methylTHF)	Melting Point: (>134°)- degrades (neat)
Specific Gravity: 0.961	Vapor Pressure: not determined
Vapor Density (air=1): >1	Solubility in water: soluble, reacts rapidly
% volatiles N/A	Evaporation rate: NA
Molecular Weight: 128.29	Other: NA
Appearance & Color: amber-orange liquid	

FIRE & EXPLOSION DATA

Flash Point, COC: -11°C (12°F) Autoignition Temp.: not determined
Flammability Limits: not determined

Extinguishing Media: Foam, carbon dioxide, dry chemical.
Special Fire Fighting Procedures: Avoid water spray as flammable gases will be generated. Avoid eye and skin contact. Do not breathe fumes or inhale vapors.
Unusual Fire and Explosion Hazards: Irritating fumes and caustic vapors may develop when material is exposed to elevated temperatures or open flame.

-1-(SIS6987.0)

ENVIRONMENTAL INFORMATION

Spill response: Ventilate area. Eliminate ignition sources. Absorb material with a dry non-combustible absorbent. Take to a chemical disposal area, then follow disposal methods.

Recommended disposal: Solution is caustic. The solution can be incinerated. Follow all chemical pollution control regulations.

HEALTH HAZARD DATA

Eye Contact: SODIUM THIENYLDIMETHYLSILANOLATE will cause immediate or delayed severe caustic burns to the eyes.

Skin contact: Will cause irritation and burns. Worker will notice a slippery feeling on washing.

Inhalation: Inhalation will cause sneezing, irritation and burns.

Oral Toxicity: not determined (Methyltetrahydrofuran Oral Toxicity - rat, LD50: 4500mg/kg)

Chronic Toxicity: not determined

RTECS (Methyltetrahydrofuran): LU2800000

SUGGESTED FIRST AID

EYES: In case of contact, immediately flush eyes with flowing water for at least 15 minutes, holding eyes open. Get medical attention.

SKIN: Immediately shake or brush off any loose material, then flush with water for at least fifteen minutes.

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. Give a demulcent such as milk, olive oil, or margarine in small amounts, up to two or three tablespoons.

REACTIVITY DATA

Stability: Stable under nitrogen or argon in sealed containers.

Conditions to avoid: Material decomposes slowly in contact with moist air and rapidly in contact with water. Avoid contact with moist air, water, acids, alcohols, ketones, esters, carbon dioxide, halogens.

Hazardous decomposition products: Potassium hydroxide, hexamethyldisiloxane and caustic organic vapors.

-2-(SIS6987.0)

SPECIAL PROTECTION INFORMATION

Abbreviations: ND: Not Determined, No Data; NA: Not Applicable; LD: Lethal Dose, LC: Lethal Concentration; H: hour; °: °C unless otherwise stated; mm: millimeters Hg, torr; PEL: permissible exposure level; TWA: time weighted average; TLV: threshold limit value; HMIS: Hazardous Material information System; CAS No.: Chemical Abstract Service Registration Number
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Ventilation: Local exhaust is required. Mechanical is recommended.

Respiratory Protection: If exposure exceeds TLV, a NIOSH approved particulate filter-type respirator should be worn.

Eye and Face Protection: Chemical worker's goggles. Do not wear contact lenses.

Other Clothing and Equipment: Rubber, neoprene or nitrile gloves. Long-sleeved fire-resistant lab uniform or coverall is recommended. An eyewash and emergency shower should be available.

Laundry clothing before reuse.

OTHER PRECAUTIONS

For research use only.

Storage and Handling: Store under dry nitrogen or argon in sealed containers below 25°C.

TRANSPORTATION

DOT SHIPPING NAME: FLAMMABLE LIQUID, CORROSIVE N.O.S.,
(SODIUM THIENYLDIMETHYLSILANOLATE)

DOT HAZARD CLASS: 3 SUB: 8

DOT LABELS: FLAMMABLE LIQUID & CORROSIVE

DOT ID No: UN2924 PG: II

Prepared by safety and environmental affairs MSDS ISSUE DATE SIS6987.0: 12/24/14
SUPERSEDES: none

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