

GELEST, INC.

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MATERIAL SAFETY
DATA SHEET

EMERGENCY TELEPHONE
CHEMTREC: 1-800-424-9300

NAME USED ON LABEL: **SODIUM TRIMETHYLSILANOLATE, 96% - SIS6988.0**
CHEMICAL NAME: SODIUM TRIMETHYLSILANOLATE
SYNONYMS: SODIUM TRIMETHYLSILOXIDE; TRIMEHYLSILANOL, SODIUM SALT
CHEMICAL FAMILY: ORGANOSILANE
FORMULA: C_3H_9ONaSi
HMIS CODES HEALTH: 2 FLAMMABILITY: 1 REACTIVITY: 1

INGREDIENTS

IDENTITY	CAS NO.	%	TLV	OSHA PEL
SODIUM TRIMETHYLSILANOLATE	18027-10-6	>95	not established	not established
HEXAMETHYLDISILOXANE	107-46-0	<5	not established	not established

PHYSICAL DATA

Boiling Point: NA	Melting Point: (147-150°C)- degrades
Specific Gravity: not determined	Vapor Pressure: not determined
Vapor Density: NA	Solubility in water: insoluble, reacts
% volatiles NA	Evaporation rate: NA
Molecular Weight: 112.18	Other: NA
Appearance & Color: Off white to tan solid, slight odor.	

FIRE & EXPLOSION DATA

Flash Point, COC: > 65°C (>150°F) Autoignition Temp.: not determined
Flammability Limits: not determined

Combustible solid.

Extinguishing Media: Foam, carbon dioxide, dry chemical.
Special Fire Fighting Procedures: Avoid water spray as volatile organics 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-(SIS6988.0)

ENVIRONMENTAL INFORMATION

Spill response: Ventilate area. Eliminate ignition sources. Scoop material into a dry metal container and cover loosely. Take to a chemical disposal area, then flush with a copious amount of water, collecting all caustic wastewater for proper disposal.

Recommended disposal: Treat quantities of 1000 grams or less by flooding with water. Water solution will be caustic. Follow all chemical pollution control regulations. For larger quantities, mix with water, neutralize with dilute hydrochloric acid, then separate non-aqueous liquid for incineration. Alternately, combine with neutral or basic organic streams and incinerate

HEALTH HAZARD DATA

Eye Contact: Sodium trimethylsilanolate will cause immediate or delayed severe caustic burns to the eyes.

Skin contact: Will cause irritation and burns. If skin and air are dry, powder on skin may not cause irritation or burns. Worker will notice a slippery feeling on washing. However, if moisture is present, the powder can cause severe caustic burns.

Inhalation: Inhalation will cause sneezing, irritation and burns.

Oral Toxicity: not determined

Inhalation Toxicity: not determined

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 demulscent 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, possibly igniting. Avoid contact with moist air, water, acids, alcohols, ketones, esters, carbon dioxide, halogens.

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

-2-(SIS6988.0)

SPECIAL PROTECTION INFORMATION

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. Launder clothing before reuse.

OTHER PRECAUTIONS

For research and industrial use only.

Storage and Handling: Store under dry nitrogen or argon in sealed containers.

TRANSPORTATION

DOT SHIPPING NAME: CORROSIVE SOLID, BASIC, ORGANIC n.o.s.
(SODIUM TRIMETHYLSILANOLATE)

DOT HAZARD CLASS: 8

DOT LABELS: 6.1

DOT ID No: 3262

PG: III

Prepared by safety and environmental affairs

MSDS ISSUE DATE SIS6988.0: 7/23/13

SUPERSEDES: 1/29/13

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