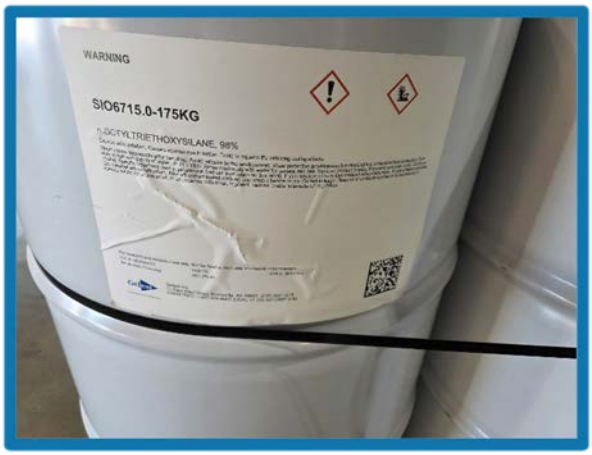
SOLVENT SYSTEMS International, Inc.
Environmental Services

Offer Sheet

Product	n-octyltriethoxysilane 98%
Quantity	12 drums x 385 lbs.
Net weight	4,620 lbs.
Manufacture date	
Availability	One time
Location	Dallas, Texas
Date	11/12/25
COA & SDS	Attached below



If interested, please call or text:

Brian Svrusis
Solvent Systems International
70 King St.
Elk Grove Village, IL 60007
847-323-6718 call or text
Click here for: Surplus Inventory
Solvent-Systems.com

Surface Treatment & Hydrophobic Coatings

1. **Primary commercial use:** to make surfaces *water-repellent (hydrophobic)* and *chemically resistant.*
    - Applied to **glass, ceramics, stone, concrete, and metals** to reduce surface energy and increase water run-off.
    - Used in **protective coatings** for architectural glass, façade stone, or bridge concrete to limit corrosion and freeze-thaw damage.
    - In **paint and sealant systems**, it enhances durability and weathering resistance by repelling moisture and contaminants.

Industry buyers: Construction chemicals, coating formulators, water-repellent treatment manufacturers (stone sealers, glass protectants).

---

2. Concrete & Masonry Water Repellents

- Common additive in **silane-based penetrating sealers** for highways, parking decks, and infrastructure.
- The ethoxy groups hydrolyze to silanols, which bond with siliceous minerals in cement to form a durable, hydrophobic layer.
- Especially valued where deep penetration and alkali resistance are required.

Typical concentration: 5–40 % active silane in solvent or emulsion systems.

---

3. Silane Coupling Agent for Polymers and Composites

- Provides **chemical linkage between inorganic fillers** (glass fiber, silica, aluminum trihydrate) and **organic polymers** (polyethylene, polypropylene, epoxy, polyurethane).
- Improves **mechanical strength, adhesion, and moisture resistance** in plastics and composites.
- Often used in **cable compounds, thermoplastic elastomers, and fiberglass laminates.**

Industry buyers: Wire & cable, polymer compounding, adhesives & composites producers.

---

4. Coatings, Adhesives, and Sealants (CAS) Additive

- Enhances **adhesion to glass, metal, and mineral substrates** in coatings and sealants.
- In paints and varnishes, increases surface slip, stain resistance, and gloss retention.
- Provides anti-graffiti and easy-clean effects when co-formulated with fluoro- or alkyl-modified silanes.

---

5. Chemical Intermediate / Silane Precursor

- Used as a **raw material** in producing other organosilanes, siloxanes, or functionalized hybrid coatings.
- In **sol-gel chemistry**, it helps modify surface hydrophobicity or cross-link organic-inorganic hybrid materials.
- Also used in **nanocoatings** and **optical films** to control surface tension and light transmission.

---

6. Electronics and Semiconductor Uses

- Serves as a **surface-priming silane** for wafer passivation, hydrophobic modification of silica, and moisture control in dielectric layers.
- In printed circuit and optical applications, it improves adhesion of coatings or encapsulants to glass and silicon substrates.

---

7. Specialty and Emerging Uses

- **Textiles & leather finishing:** adds durable water-repellency and oil-resistance to natural and synthetic fibers.
- **Solar panels and optics:** hydrophobic top coatings for anti-soiling protection.
- **Marine coatings:** reduces fouling and improves corrosion resistance.

Gelest Inc.
11 E. Steel Rd
Morrisville, PA 19067
Ph: 215-547-1015 EIN: 23-2499368
CHEMTREC: 800-424-9300 (USA); +1-703-527-3887 (Int)
Email: Info@Gelest.com

Certificate of Analysis

SIO6715.0-175KG
n-OCTYLTRIETHOXYSILANE, 98%

Lot Number: 0536563378
Customer: Trans Western Chemicals, Inc.

Sales Order: 2024-86418-01 Bill To PO: 27370
Ship Date: 10/28/2024

METHOD	TEST NAME	SPECIFICATION	RESULT
1000	Appearance	Clear and colorless	Pass
1020	Hydrolyzable Chloride (ppm)	0 - 50 ppm	30 ppm
1021	FTIR	Matches Reference	Matches Reference
1025	Assay (GC-TCD A)	97.5 % min	99.8 %

n-OCTYLTRIETHOXYSILANE

Safety Data Sheet SIO6715.0

Issue date: 01/08/2015 Revision date: 07/03/2024 Version: 1.3

SECTION 1: Identification

1.1. Identification

Product name	:	n-OCTYLTRIETHOXYSILANE
Product code	:	SIO6715.0
Product form	:	Substance
Physical state	:	Liquid
Formula	:	C14H32O3Si
Synonyms	:	TRIETHOXYSILYLOCTANE
Chemical family	:	ORGANOETHOXYSILANE

1.2. Recommended use and restrictions on use

Recommended use	:	Chemical intermediate

1.3. Supplier

GELEST, INC.
11 East Steel Road
Morrisville, PA 19067
USA
T 215-547-1015 - F 215-547-2484 - (M-F): 8:00 AM - 5:30 PM EST
info@gelest.com - www.gelest.com

1.4. Emergency telephone number

Emergency number	:	CHEMTREC: 1-800-424-9300 (USA); +1 703-527-3887 (International)

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Skin corrosion/irritation Category 2	H315	Causes skin irritation
Serious eye damage/eye irritation Category 2A	H319	Causes serious eye irritation
Hazardous to the aquatic environment – Chronic Hazard Category 2	H411	Toxic to aquatic life with long lasting effects

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US) :

Signal word (GHS US)	:	Warning
Hazard statements (GHS US)	:	H315 - Causes skin irritation H319 - Causes serious eye irritation H411 - Toxic to aquatic life with long lasting effects
Precautionary statements (GHS US)	:	P264 - Wash hands thoroughly after handling. P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P302+P352 - If on skin: Wash with plenty of water. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing
P321 - Specific treatment (see supplemental first aid instruction on this label).
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P391 - Collect spillage.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Hazards not otherwise classified (HNOC)

Other hazards which do not result in classification : On contact with water this compound liberates ethanol which is known to have a chronic effect on the central nervous system. Overexposure to ethanol by skin absorption, inhalation or ingestion may have a narcotic effect (headache, nausea, drowsiness). Ethanol is metabolized to acetaldehyde and acetic acid which in large quantities result in metabolic acidosis, CNS depression and death due to respiratory arrest. This product contains ethanol which is classified as a carcinogen by IARC in alcoholic beverages.

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Substance type : Mono-constituent
Name : n-OCTYLTRIETHOXYSILANE
CAS-No. : 2943-75-1

Name	Product identifier	%	GHS US classification
n-Octyltriethoxysilane	CAS-No.: 2943-75-1	> 95	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Aquatic Chronic 2, H411

Full text of hazard classes and H-statements : see section 16

3.2. Mixtures

Not applicable

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : Remove contaminated clothing and shoes. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). If possible show this sheet; if not available show packaging or label.
First-aid measures after inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice.
First-aid measures after skin contact : Wash with plenty of soap and water.
First-aid measures after eye contact : Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.
First-aid measures after ingestion : Never give anything by mouth to an unconscious person. Get medical advice/attention.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation : May cause irritation to the respiratory tract. Overexposure may cause: Coughing. Headache. Nausea.
Symptoms/effects after skin contact : May cause skin irritation.
Symptoms/effects after eye contact : Causes serious eye irritation.
Symptoms/effects after ingestion : May be harmful if swallowed.

Chronic symptoms : On contact with water this compound liberates ethanol which is known to have a chronic effect on the central nervous system.

4.3. Immediate medical attention and special treatment, if necessary

No additional information available

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Foam. Carbon dioxide. Dry chemical.

5.2. Specific hazards arising from the chemical

Fire hazard : Irritating fumes and organic acid vapors may develop when material is exposed to elevated temperatures or open flame.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Use water spray to cool exposed surfaces. Exercise caution when fighting any chemical fire.
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Avoid all eye and skin contact and do not breathe vapor and mist.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Clean up any spills as soon as possible, using an absorbent material to collect it. Sweep or shovel spills into appropriate container for disposal.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Use only in well ventilated areas. Avoid all eye and skin contact and do not breathe vapor and mist.
Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep container tightly closed.
Incompatible materials : Water. Moisture.
Storage area : Store in a well-ventilated place. Store away from heat.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Provide local exhaust or general room ventilation.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:
Avoid all unnecessary exposure. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Hand protection:
Neoprene or nitrile rubber gloves

Eye protection:
Chemical goggles. Contact lenses should not be worn

Skin and body protection:
Wear suitable protective clothing

Respiratory protection:
Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. NIOSH-certified organic vapor (black cartridge) respirator.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Appearance	:	Clear liquid.
Molecular mass	:	276.48 g/mol
Color	:	Straw.
Odor	:	Mild.
Odor threshold	:	No data available
pH	:	No data available
Relative evaporation rate (butyl acetate=1)	:	No data available
Melting point	:	< -40 °C
Freezing point	:	No data available
Boiling point	:	98 – 99 °C @ 2mm Hg
Flash point	:	109 °C
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	No data available
Vapor pressure	:	1 mm Hg @ 75˚C
Relative vapor density at 20°C	:	1
Relative density	:	0.875
Solubility	:	Reacts with water.
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Partition coefficient n-octanol/water (Log Kow)	:	No data available
Viscosity, kinematic	:	1.9 cSt
Viscosity, dynamic	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available
Explosion limits	:	No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable in sealed containers.

10.3. Possibility of hazardous reactions

Reacts with water and moisture in air, liberating ethanol.

10.4. Conditions to avoid

Heat. Open flame. Sparks.

10.5. Incompatible materials

Water. Moisture.

10.6. Hazardous decomposition products

Ethanol. Organic acid vapors.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

n-OCTYLTRIETHOXYSILANE (2943-75-1)	
LD50 oral rat	10060 µl/kg
ATE US (oral)	10060 mg/kg body weight

n-Octyltriethoxysilane (2943-75-1)	
LD50 oral rat	≥ 5110 mg/kg Source: ECHA

Skin corrosion/irritation : Causes skin irritation.
Serious eye damage/irritation : Causes serious eye irritation.
Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified.
Reproductive toxicity : Not classified
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified

n-Octyltriethoxysilane (2943-75-1)	
NOAEL (oral,rat,90 days)	≈ 250 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)

Aspiration hazard : Not classified
Symptoms/effects after inhalation : May cause irritation to the respiratory tract. Overexposure may cause: Coughing. Headache. Nausea.
Symptoms/effects after skin contact : May cause skin irritation.
Symptoms/effects after eye contact : Causes serious eye irritation.
Symptoms/effects after ingestion : May be harmful if swallowed.

Chronic symptoms : On contact with water this compound liberates ethanol which is known to have a chronic effect on the central nervous system.
Reason for classification : OECD TG Guideline 404/405

SECTION 12: Ecological information

12.1. Toxicity

n-Octyltriethoxysilane (2943-75-1)	
LC50 - Fish [1]	1.607 mg/l Source: ECOSAR
EC50 - Crustacea [1]	> 0.049 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	> 0.13 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
EC50 96h - Algae [1]	< 1 mg/l Source: ECOSAR
NOEC (chronic)	≥ 0.199 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	0.036 mg/l Test organisms (species): Pimephales promelas Duration: '28 d'

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

n-Octyltriethoxysilane (2943-75-1)	
Partition coefficient n-octanol/water (Log Pow)	1.1 Source: ECHA

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on the ozone layer : No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Product/Packaging disposal recommendations : Incinerate. Dispose in a safe manner in accordance with local/national regulations.
Ecological information : Avoid release to the environment.

SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

DOT	TDG	IMDG	IATA
14.1. UN number			
Not regulated for transport			
14.2. Proper Shipping Name			
Not applicable	Not applicable	Not applicable	Not applicable
Transport document description			
Not applicable	Not applicable	Not applicable	Not applicable

DOT	TDG	IMDG	IATA
14.3. Transport hazard class(es)			
Not applicable	Not applicable	Not applicable	Not applicable
	 Not applicable		
14.4. Packing group			
Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards			
Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes
No supplementary information available			

14.6. Special precautions for user

DOT
No data available

TDG
No data available

IMDG
No data available

IATA
No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

15.2. International regulations

CANADA

n-Octyltriethoxysilane (2943-75-1)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

n-Octyltriethoxysilane (2943-75-1)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

National regulations

n-Octyltriethoxysilane (2943-75-1)
Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Japanese ENCS (Existing New Chemical Substances) inventory
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on CICR (Turkish Inventory and Control of Chemicals)
Listed on the TCSI (Taiwan Chemical Substance Inventory)
Listed on the NCI (Vietnam - National Chemical Inventory)
Listed on Thailand Existing Chemicals Inventory (DIW)

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information

Full text of H-phrases::

H315	Causes skin irritation
H319	Causes serious eye irritation
H411	Toxic to aquatic life with long lasting effects

Abbreviations and acronyms : Abbreviations: ND: Not Determined, No Data; NA: Not Applicable; LD: Lethal Dose; LC: Lethal Concentration; ATE: Acute Toxicity Estimates; H: hour; °: °C unless otherwise stated; mm: millimeters Hg, torr; PEL: permissible exposure level; TWA: time weighted average; TLV: threshold limit value; TG: Test Guideline; NIOSH: National Institute for Occupational Safety and Health; IARC: International Agency for Research on Cancer; NTP: National Toxicology Program; HMIS: Hazardous Material Information System; CAS No.: Chemcial Abstract Service Registration Number; EC No.: European Commission Registration Number; EC Index No.: European Commission Index Number; OECD: The Organisation for Economic Co-operation and Development; GHS: The Globally Harmonized System of Classification and Labelling; APF: Assigned Protection Factor.

Hazard Rating

Health : 2 Moderate Hazard - Temporary or minor injury may occur

Flammability : 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)

Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

Prepared by safety and environmental affairs.

Issue date: 01/08/2015 Revision date: 07/03/2024 Version: 1.3

SDS US (GHS HazCom 2012) - Custom

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations