



✓ RO2202

Certificate Of Analysis:
Danchem Technologies Inc
1975 Richmond Blvd
Danville, VA 24540

Date: August 2, 2023

Control #: 2005892080

P.O. #: 4506856011 Rel 3

From: Quality Assurance Dept, Silbond Corporation

Subject: Analysis of Dynasylan® SILBOND® Condensed

	Result	Specification	Analytical Procedure
Lot #	1382306009 ✓		
Analysis number	2305978		
Specific Gravity @ 20 °C	0.934 ✓	0.930-0.940	QC07100P
Color (APHA)	5 ✓	30 max	QC07101P
Acidity Wt. % (as HCl)	0.000 ✓	0.001 max.	QC07102P
Alkalinity Wt. % (as NH ₃)	0.000 ✓	0.001 max.	QC07102P
SiO ₂ Wt. %	28.8 ✓	28.0 min.	QC07104P
Low Boilers Wt. %	0.6 ✓	2.5 max.	QC07105P
Monomer Wt. %	97.7 ✓	96.5 min.	QC07105P
Date of Mfg.	6/4/2023		
Number of containers	42 drums		
Net weight	17,934#		

Approved

Chelsea Van Buskirk

Chelsea Van Buskirk
Chemist

080723 JM

Joe Lovell
Rec 78 Drums Blairs BX3 8/3/23

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Certificate Of Analysis:
Danchem Technologies Inc
1975 Richmond Blvd
Danville, VA 24540
COA-US@clariant.com

Date: September 27, 2023
Control #: 2006003456
P.O. #: 4506901463 Rel 1

From: Quality Assurance Dept, Silbond Corporation

Subject: **Analysis of Dynasylan® SILBOND® Condensed**

	Result	Specification	Analytical Procedure
Lot #	1382307010		
Analysis number	2307620		
Specific Gravity @ 20 °C	0.933	0.930-0.940	QC07100P
Color (APHA)	5	30 max	QC07101P
Acidity Wt. % (as HCl)	0.000	0.001 max.	QC07102P
Alkalinity Wt. % (as NH ₃)	0.000	0.001 max.	QC07102P
SiO ₂ Wt. %	28.8	28.0 min.	QC07104P
Low Boilers Wt. %	0.7	2.5 max.	QC07105P
Monomer Wt. %	97.7	96.5 min.	QC07105P
Date of Mfg.	7/8/2023		
Number of containers	67 drums		
Net weight	28,609#		

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Chemist

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Revised 04/20/12

Doc #QC07002S

[internal]

Silbond Corporation * Part of Evonik Corporation * 9901 Sand Creek Hwy * PO Box 200 * Weston MI 49289 * (888)462-6082 * silbond@evonik.com



Certificate Of Analysis:
Danchem Technologies Inc
1975 Richmond Blvd
Danville, VA 24540
COA-US@clariant.com

Date: September 27, 2023
Control #: 2006003456
P.O. #: 4506901463 Rel 1

From: Quality Assurance Dept, Silbond Corporation

Subject: **Analysis of Dynasylan® SILBOND® Condensed**

	Result	Specification	Analytical Procedure
Lot #	1382307023		
Analysis number	2308301		
Specific Gravity @ 20 °C	0.934	0.930-0.940	QC07100P
Color (APHA)	5	30 max	QC07101P
Acidity Wt. % (as HCl)	0.000	0.001 max.	QC07102P
Alkalinity Wt. % (as NH ₃)	0.0001	0.001 max.	QC07102P
SiO ₂ Wt. %	28.8	28.0 min.	QC07104P
Low Boilers Wt. %	0.6	2.5 max.	QC07105P
Monomer Wt. %	97.8	96.5 min.	QC07105P
Date of Mfg.	7/28/2023		
Number of containers	11 drums		
Net weight	4,697#		

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Chemist

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SAFETY DATA SHEET

Classified in accordance 29 CFR 1910.1200

1. Identification

Product identifier: Dynasylan® SILBOND® Condensed

Chemical name:
Tetraethyl silicate

Other means of identification

CAS Number: 78-10-4

Recommended restrictions

Recommended use: For industrial use

Restrictions on use: Not known.

Manufacturer/Importer/Distributor Information

Company Name : Silbond Corporation
9901 Sandcreek Highway
Weston, MI 49289
USA

Telephone : +1 517 436 3171

E-mail : silbond@evonik.com

Emergency telephone number:

24-Hour Health : +1 800 424 9300 (CHEMTREC - US & CANADA)

Emergency 800 681 9531 (CHEMTREC MEXICO)

+1 703 527 3887 (CHEMTREC WORLD)

2. Hazard(s) identification

Hazard Classification

Physical Hazards

Flammable liquids Category 3

Health Hazards

Specific Target Organ Toxicity -
Single Exposure Category 3¹.

Target Organs

1. Respiratory system

Environmental Hazards

Acute hazards to the aquatic
environment Category 3

Label Elements

Hazard Symbol:



Signal Word: Warning

Hazard Statement: Flammable liquid and vapor.
 May cause respiratory irritation.
 Harmful to aquatic life.

Precautionary Statements

Prevention: Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof [electrical/ventilating/lighting/...] equipment. Use non-sparking tools. Take action to prevent static discharges. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/eye protection/face protection. Keep away from heat/sparks/open flames. - No smoking.

Response: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish.

Storage: Store in a well-ventilated place. Keep container tightly closed. Store locked up. Keep cool.

Disposal: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Hazard(s) not otherwise classified (HNOC): None.

3. Composition/information on ingredients

Chemical name:
 Tetraethyl silicate

Substances

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%) [*]
Ethanol (Ethyl alcohol)		64-17-5	<2.5%
Tetraethyl silicate		78-10-4	>96.5%
Silicic acid (H ₄ SiO ₄), tetraethyl ester, hydrolyzed		11099-06-2	<5.5%

^{*} All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

The exact concentration has been withheld as a trade secret.

4. First-aid measures

Description of necessary first-aid measures

General information:	Remove contaminated or saturated clothing.
Inhalation:	Following inhalation of aerosols or mist: Possible discomfort: irritation of mucous lining (nose, throat, eyes) cough, sneezing, flow of tears. Move victims into fresh air. If symptoms persist, consult a physician for treatment.
Skin Contact:	Wash off immediately with plenty of water. If symptoms persist, consult a physician for treatment.
Eye contact:	Keeping eyelid open, immediately rinse thoroughly for at least 5 minutes using plenty of water or, if necessary, eye rinsing solution. Consult an ophthalmologist.
Ingestion:	Have the mouth rinsed with water. Have patient drink plenty of water in small sips. Obtain medical attention.
Personal Protection for First-aid Responders:	As in any fire, wear self-contained positive-pressure breathing apparatus, (MSHA/NIOSH approved or equivalent) and full protective gear.

Most important symptoms/effects, acute and delayed

Symptoms:	None known.
Hazards:	No data available.

Indication of immediate medical attention and special treatment needed

Treatment:	If required, therapy of irritative effect. If substance has been swallowed: Early endoscopy in order to assess mucosa lesions in the oesophagus and stomach which may appear. If necessary, aspirate leftover substance.
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5. Fire-fighting measures

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media:	Water spray, fog, CO ₂ , dry chemical, or alcohol resistant foam.
Unsuitable extinguishing media:	High volume water jet

Specific hazards arising from the chemical:	Closed container may rupture if strongly heated. In case of fire cool endangered containers with water. Combustible liquid. Vapors can travel to a source of ignition and flash back. Explosive mixtures may occur at temperatures at or above the flashpoint.
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Special protective equipment and precautions for firefighters

Special fire fighting procedures:	Water used to extinguish fire should not enter drainage systems, soil or stretches of water. Ensure there are sufficient retaining facilities for water used to extinguish fire. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
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Special protective equipment for fire-fighters: As in any fire, wear self-contained positive-pressure breathing apparatus, (MSHA/NIOSH approved or equivalent) and full protective gear.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment. Ensure adequate ventilation.

Accidental release measures:

Remove sources of ignition and ventilate area. Run off may create fire or explosion hazard in sewer. Assure sufficient ventilation.

Methods and material for containment and cleaning up:

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Suitable absorbents: sand (for damming up)

Environmental Precautions:

Obey relevant local, state, provincial and federal laws and regulations. Do not contaminate any lakes, streams, ponds, groundwater or soil.

7. Handling and storage

Handling

Technical measures (e.g. Local and general ventilation):

Provide good ventilation or extraction.

Safe handling advice:

If possible, use material transfer/filling, metering and blending plants that are closed, or provide for local suction devices. Do not inhale vapours / aerosols. Wear personal protective equipment; see section 8. Keep away from heat, sparks, flames and other sources of ignition. Keep container tightly closed. Use only with adequate ventilation. Vapors may spread long distances and travel to areas away from the work site before igniting or flashing back to the vapor source. Handle in accordance with good industrial hygiene and safety practice. If workplace exposure limits are exceeded and/or larger amounts are released (leakage, spilling, dust) the indicated respiratory protection should be used. Do not breathe in vapours or aerosols. Avoid contact with skin and eyes. If there is the possibility of skin/eye contact, the indicated hand/eye/body protection should be used.

Contact avoidance measures:

No data available.

Hygiene measures:

When using, do not eat, drink or smoke. Wash face and/or hands before break and end of work. Remove contaminated or saturated clothing. Wash contaminated clothing before reuse. Avoid contact with skin, eyes and clothing. Do not inhale vapors or aerosols. Do not eat, drink, or smoke when using the product. Remove contaminated or saturated clothing.

Storage

Safe storage conditions: Take precautionary measures against static discharges. Keep away from sources of ignition - No smoking. Explosion protection equipment required. Danger of explosion from residual product fumes; therefore avoid spark production through cutting, grinding, or welding work in the area of the container. When repairs of the production system are to be made (e.g. welding work), the section to be repaired must be essentially free of product. This material may have a low electrical conductivity and therefore may accumulate dangerous levels of static electricity. An ignitable vapor-air mixture can form inside storage tanks.

The user must be sure to dissipate static charge by careful bonding and grounding of all equipment and personnel involved in fluid transfer with continuity checks to prove effectiveness. Additional precautions against fire and explosion are the use of inert gas to purge vapor space; dip-pipes while filling vessels, especially lined vessels; grounded tank level floats; reduced flow velocity; self-closing valves on transfer lines and flame arrestors in vent lines.

Additional guidance on fire and explosion protection may be found in various consensus standards, including NFPA 30, 69 and 77 and API 2003 as well as OSHA regulation 29CFR1910.106.

Follow all SDS/label precautions even after container is emptied because it may retain product residues. Keep containers tightly closed in a cool, well-ventilated place. Protect from moisture. Residual vapors might explode on ignition; do not apply heat, cut, drill, grind or weld on or near this container.

Safe packaging materials: No data available.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source	
Ethanol (Ethyl alcohol)	STEL	1,000 ppm	US. ACGIH Threshold Limit Values, as amended (03 2016)	
	REL	1,000 ppm 1,900 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2010)	
	PEL	1,000 ppm 1,900 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (03 2016)	
Tetraethyl silicate	TWA	10 ppm	US. ACGIH Threshold Limit Values, as amended (03 2016)	
	REL	10 ppm 85 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2010)	
	PEL	100 ppm 850 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (03 2016)	
	IDLH	700 ppm	US. NIOSH. Immediately Dangerous to Life or Health (IDLH) Values, as amended (10 2017)	
	TWA	10 ppm 85 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended (1989)	
	TWA	10 ppm 85 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A, as amended (06 2008)	
	ST ESL		100 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (06 2018)
	AN ESL		85 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (06 2018)
	ST ESL		850 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (06 2018)
	AN ESL		10 ppb	US. Texas. Effects Screening Levels (Texas

			Commission on Environmental Quality), as amended (06 2018)
	TWA PEL	10 ppm 85 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants, as amended (01 2015)

Appropriate Engineering Controls Provide good ventilation or extraction.

Individual protection measures, such as personal protective equipment

Eye/face protection: Use chemical splash goggles or face shield.

Skin Protection

Hand Protection: Material: Butyl rubber.
 Break-through time: >= 480 min
 Material: Fluorinated rubber (Viton)
 Break-through time: >= 480 min
 Additional Information: The above mentioned hand protection is based on knowledge of the chemistry and anticipated uses of this product but it may not be appropriate for all workplaces. A hazard assessment should be conducted prior to use to ensure suitability of gloves for specific work environments and processes prior to use. Additional Information: Selection of protective gloves to meet the requirements of specific workplaces., Suitability for specific workplaces should be clarified with protective glove manufacturers., Use impermeable gloves.

Skin and Body Protection: When handling larger quantities: chemical protective suit, disposable protective suit (Solvent-resistant) Flame retardant protective clothing A safety shower and eye wash fountain should be readily available. To identify additional Personal Protective Equipment (PPE) requirements, it is recommended that a hazard assessment in accordance with the OSHA PPE Standard (29CFR1910.132) be conducted before using this product.

Respiratory Protection: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 or applicable federal/provincial requirements must be followed whenever workplace conditions warrant respirator use. NIOSH's "Respirator Decision Logic" may be useful in determining the suitability of various types of respirators.

Hygiene measures: When using, do not eat, drink or smoke. Wash face and/or hands before break and end of work. Remove contaminated or saturated clothing. Wash contaminated clothing before reuse. Avoid contact with skin, eyes and clothing. Do not inhale vapors or aerosols. Do not eat, drink, or smoke when using the product. Remove contaminated or saturated clothing.

9. Physical and chemical properties

Appearance

Physical state: liquid
Form: liquid
Color: Colorless
Odor: faint inherent odor
Odor Threshold: No data available.
pH: No data available.

Freezing point:	-84 °C
Boiling Point:	167 °C (1,013 hPa) (DIN 51 751)
Flash Point:	46 °C
Evaporation Rate:	No data available.
Flammability (solid, gas):	Not determined.
Explosive limit - upper (%):	23 %(V)
Explosive limit - lower (%):	1.3 %(V)
Vapor pressure:	1.7 hPa (20 °C) (literature value) 3.5 hPa (30 °C) (literature value) 11.6 hPa (50 °C) (literature value)
Vapor density (air=1):	No data available.
Density:	0.94 g/cm ³ (20 °C) (DIN 51757)
Relative density:	No data available.
Solubility in Water:	not miscible decomposition by hydrolysis
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	-0.3 (literature value) tested substance: Ethanol.
Self Ignition Temperature:	No data available.
Decomposition Temperature:	No data available.
Kinematic viscosity:	Not determined.
Dynamic viscosity:	0.75 mPa.s (20 °C, DIN 53 015)
Other information	
Explosive properties:	Vapors can form explosive mixtures with air.
Oxidizing properties:	No data available.
Minimum ignition temperature:	225 °C
Metal Corrosion:	Not to be expected in view of the structure

10. Stability and reactivity

Reactivity:	No dangerous reaction known under conditions of normal use.
Chemical Stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	No dangerous reactions known.
Conditions to avoid:	Keep away from heat and sources of ignition.
Incompatible Materials:	Oxidizing agents. Incompatibility with alkalines acids Water.
Hazardous Decomposition Products:	Ethanol in case of hydrolysis. Alcohol formed by hydrolysis lowers the flash point of the product.

11. Toxicological information

Information on likely routes of exposure

Inhalation:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.
Ingestion:	No data available.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.
Ingestion:	No data available.

Information on toxicological effects**Acute toxicity (list all possible routes of exposure)**

Oral Product:	LD 50 (Rat): > 2,500 mg/kg
Dermal Product:	Not classified based on available information.
Inhalation Product:	LC 50 (Rat): 10 mg/l Dusts, mists and fumes

Repeated dose toxicity

Product:	NOAEL (Rat, Oral): 10 mg/kg LOAEL (Mouse, Inhalation - vapor): 0.43 mg/l
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Skin Corrosion/Irritation

Product:	Not irritating OECD 404 (Rabbit): Not irritating
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Serious Eye Damage/Eye Irritation

Product:	Rabbit: Not irritating
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Respiratory or Skin Sensitization

Product:	Buehler Test, OECD 406 (Guinea Pig): Non sensitising
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Carcinogenicity

Product:	Contains no carcinogenic substances as defined by NTP, IARC and/or OSHA.
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IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogens present or none present in regulated quantities

US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogens present or none present in regulated quantities

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended:

No carcinogens present or none present in regulated quantities

Germ Cell Mutagenicity**In vitro****Product:** no evidence of mutagenic effects**In vivo****Product:** No data available.**Components:**

Ethanol (Ethyl alcohol) Chromosomal aberration (OECD 478) Oral (Mouse, male): Based on available data, the classification criteria are not met.

Reproductive toxicity**Product:** No data available.**Components:**

Ethanol (Ethyl alcohol) An Expert Judgment stated that no classification is necessary based on present knowledge.

Specific Target Organ Toxicity - Single Exposure**Product:** Respiratory tract irritation.**Specific Target Organ Toxicity - Repeated Exposure****Product:** No data available.**Components:**

Ethanol (Ethyl alcohol) Not classified

Aspiration Hazard**Product:** No evidence of aspiration toxicity**Other effects:** No data available.**12. Ecological information****Ecotoxicity:****Acute hazards to the aquatic environment:****Fish****Product:** LC 50 (Brachydanio rerio, 96 h): > 245 mg/l
NOEC (Brachydanio rerio, 96 h): >= 245 mg/l**Aquatic Invertebrates****Product:** EC 50 (Daphnia magna, 48 h): > 75 mg/l
NOEC (Daphnia magna, 48 h): >= 75 mg/l**Chronic hazards to the aquatic environment:****Fish****Product:** No data available.**Components:**

Ethanol (Ethyl alcohol) NOEC (Danio rerio (zebra fish), 120 h): 250 mg/l

Aquatic Invertebrates**Product:** No data available.

Components:

Ethanol (Ethyl alcohol) EC 50 (Daphnia magna, 10 d): 454 mg/l literature
NOEC (Daphnia magna, 10 d): 9.6 mg/l literature

Toxicity to Aquatic Plants

Product: EC 50 (Algae (Pseudokirchneriella subcapitata), 72 h): > 100 mg/l growth rate
NOEC (Algae (Pseudokirchneriella subcapitata), 72 h): >= 100 mg/l growth rate

Persistence and Degradability**Biodegradation**

Product: 98 % (28 d, DOC Die Away test)

BOD/COD Ratio

Product: No data available.

Components:

Ethanol (Ethyl alcohol) 58 %

Bioaccumulative potential**Bioconcentration Factor (BCF)**

Product: not bioaccumulative log Pow: see chapter 9

Partition Coefficient n-octanol / water (log Kow)

Product: Log Kow: -0.3 (literature value) tested substance: Ethanol.

Mobility in soil:

Adsorption on the floor: low.

Other adverse effects:

The data we have at our disposal do not necessitate identification concerning environmental hazard.

13. Disposal considerations**Disposal methods:**

Waste must be disposed of in accordance with federal, provincial, state and local regulations. Empty containers must be handled with care due to product residue. DO NOT HEAT OR CUT THE EMPTY CONTAINER WITH AN ELECTRIC OR GAS TORCH.

Contaminated Packaging:

If there is product residue in the emptied container, follow directions for handling on the container's label. Incorrect disposal or reuse of this container is illegal and can be dangerous. Other countries: observe the national regulations.

14. Transport information**Domestic regulation****49 CFR**

UN/ID/NA number : UN 1292

Proper shipping name : Tetraethyl silicate

Class : 3
Packing group : III
Labels : 3
ERG Code : 129
Marine pollutant : no
Remarks : In the U.S. this material may be classified as combustible liquid. Combustible liquids are not regulated in packages 450 liters or less. This applies for shipments by road and rail only.

International Regulations

IATA-DGR

UN/ID No. : UN 1292
Proper shipping name : Tetraethyl silicate
Class : 3
Packing group : III
Labels : 3
Packing instruction (cargo aircraft) : 366
Packing instruction (passenger aircraft) : 355
Remarks : ERG-Code 3LMaximum Net Quantity per Package 220 L

IMDG-Code

UN number : UN 1292
Proper shipping name : TETRAETHYL SILICATE

Class : 3
Packing group : III
Labels : 3
EmS Code : F-E, S-D
Marine pollutant : no

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

Not applicable for product as supplied.

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

15. Regulatory information**US Federal Regulations****TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

None present or none present in regulated quantities.

US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpt E)

None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended

None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

<u>Chemical Identity</u>	<u>Reportable quantity</u>
RCRA HAZARDOUS WASTE NO. D001	100 lbs.

Superfund Amendments and Reauthorization Act of 1986 (SARA)**Hazard categories**

Flammable (gases, aerosols, liquids, or solids), Specific target organ toxicity (single or repeated exposure)

US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances

<u>Chemical Identity</u>
Ethanol

US. EPCRA (SARA Title III) Section 312 Extremely Hazardous Substances Reporting Quantities (40 CFR 355, Appendix A)

<u>Chemical Identity</u>	<u>Threshold Planning Quantity</u>
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US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required

None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.

US State Regulations**US. California Proposition 65**

No ingredient requiring a warning under CA Prop 65.

US. New Jersey Worker and Community Right-to-Know Act

<u>Chemical Identity</u>
Tetraethyl silicate
Ethanol

US. Massachusetts RTK - Substance List
Chemical Identity

 Tetraethyl silicate
 Ethanol

US. Pennsylvania RTK - Hazardous Substances
Chemical Identity

 Tetraethyl silicate
 Silicic acid (H4SiO4), tetraethyl ester, hydrolyzed
 Ethanol

US. Rhode Island RTK
Chemical Identity

Tetraethyl silicate

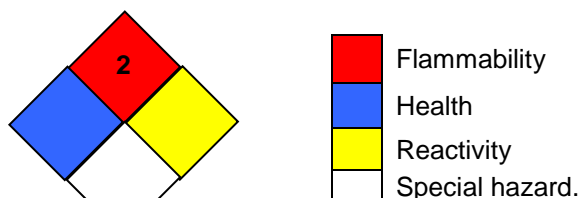
Inventory Status:

US TSCA Inventory:	On or in compliance with the inventory
Canada DSL Inventory List:	On or in compliance with the inventory

16. Other information, including date of preparation or last revision
HMIS Hazard ID

Health		2
Flammability		2
Physical Hazards		0
PERSONAL PROTECTION		

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible; *Chronic health effect

NFPA Hazard ID


Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible

Issue Date: 02/04/2020

Version #: 1.1

Further Information: No data available.

Revision Information Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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