



## Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Revision date: 11/27/2023 Date of Issue: 05/08/2014

Version 4.0

## **SECTION 1: Identification**

#### **Product Identifier** 1.1.

**Product Form** Mixture Product Name R-3975

Synonyms Fluorosilicone Dispersion

#### 1.2. Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Use of the Substance/Mixture For professional use only

## Details of the Supplier of the Safety Data Sheet

NuSil Technology LLC 1050 Cindy Lane

Carpinteria, California 93013

**USA** 

(805) 684-8780

productstewardship@avantorsciencesgcc.com

www.nusil.com

#### 1.4. **Emergency Telephone Number**

800-424-9300 CHEMTREC (in US); +1 703-527-3887 CHEMTREC (International Emergency

Number and Maritime)

## **SECTION 2: Hazards Identification**

#### Classification of the Substance or Mixture 2.1.

### **GHS-US Classification**

Flammable liquids Category 2	H225
Skin corrosion/irritation Category 2	H315
Serious eye damage/eye irritation Category 2A	H319
Acute toxicity (inhalation) Category 4	H332
Specific target organ toxicity — Single exposure, Category 3, Narcosis	H336
Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation	H335
Reproductive toxicity Category 2	H361
Hazardous to the aguatic environment - Chronic Hazard Category 3	H412

#### 2.2. Label Elements

### **GHS-US Labeling**

Hazard Pictograms (GHS-US)







GHS02

GHS07

GHS08

Signal Word (GHS-US) Hazard Statements (GHS-US) Danger

H225 - Highly flammable liquid and vapor

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H332 - Harmful if inhaled.

H335 - May cause respiratory irritation H336 - May cause drowsiness or dizziness

H361 - Suspected of damaging fertility or the unborn child

H412 - Harmful to aquatic life with long lasting effects

11/27/2023 EN (English US) 1/15 Precautionary Statements (GHS-US)

P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 - Keep container tightly closed.

P240 - Ground/Bond container and receiving equipment.

P241 - Use explosion-proof electrical, ventilating, and lighting equipment.

P242 - Use only non-sparking tools.

P243 - Take precautionary measures against static discharge.

P261 - Avoid breathing vapors, mist, or spray.

P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.

P271 - Use only outdoors or in a well-ventilated area.

P273 - Avoid release to the environment.

P280 - Wear protective gloves, protective clothing, and eye protection.

P302+P352 - If on skin: Wash with plenty of water.

P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340 - If inhaled: Remove person to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+P313 - If exposed or concerned: Get medical advice/attention.

P312 - Call a poison center or doctor if you feel unwell.

P321 - Specific treatment (see section 4 on this SDS).

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.

P370+P378 - In case of fire: Use appropriate media (see section 5) to extinguish.

P403+P235 - Store in a well-ventilated place. Keep cool.

P405 - Store locked up.

P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

#### 2.3. Other Hazards

Other Hazards Not Contributing to the Classification

Exposure may aggravate pre-existing eye, skin, or respiratory conditions. This material or its emissions may defat skin, cause contact dermatitis, or aggravate existing skin disease.

## 2.4. Unknown Acute Toxicity (GHS-US)

< 3% of the mixture consists of ingredients of unknown acute toxicity.

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# **SECTION 3: Composition/Information On Ingredients**

## 3.1. Substances

Not applicable

## 3.2. Mixtures

Name	Product Identifier	%*	GHS-US Classification
tert-Butyl acetate	(CAS-No.) 540-88-5	50 - 70	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation:vapour), H332 STOT SE 3, H336 STOT SE 3, H335
Siloxanes and Silicones, methyl 3,3,3-trifluoropropyl, hydroxyterminated	(CAS-No.) 68607-77-2	< 20	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
Silanetriol, ethyl-, triacetate	(CAS-No.) 17689-77-9	< 3	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318
Silanetriol, methyl-, triacetate	(CAS-No.) 4253-34-3	< 3	Acute Tox. 4 (Oral), H302 Skin Corr. 1C, H314 Eye Dam. 1, H318
2,4,6-trimethyl-2,4,6-tris(3,3,3-trifluoropropyl)cyclotrisiloxane	(CAS-No.) 2374-14-3	< 0.25	Repr. 2, H361 STOT RE 1, H372 STOT RE 2, H373
Octamethylcyclotetrasiloxane	(CAS-No.) 556-67-2	< 0.25	Flam. Liq. 3, H226 Repr. 2, H361 Aquatic Chronic 1, H410
Dibutyltin diacetate	(CAS-No.) 1067-33-0	< 0.1	Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1B, H317 Muta. 2, H341 Repr. 1B, H360 STOT SE 1, H370 STOT RE 1, H372 Aquatic Chronic 1, H410

Full text of H-phrases: see section 16

## **SECTION 4: First Aid Measures**

## 4.1. Description of First-aid Measures

First-aid Measures General

Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

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<sup>\*</sup>The specific chemical identity and/or exact percentage of composition have been withheld as a trade secret [29 CFR 1910.1200].

Contact

First-aid Measures After When symptoms occur: go into open air and ventilate

Inhalation suspected area. Obtain medical attention if breathing difficulty

persists.

First-aid Measures After Skin Immediately remove contaminated clothing. Drench affected

area with water for at least 15 minutes. Obtain medical

attention if irritation develops or persists.

Rinse cautiously with water for at least 15 minutes. Remove First-aid Measures After Eye Contact

contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists.

First-aid Measures After Rinse mouth. Do NOT induce vomiting. Obtain medical Ingestion

attention.

4.2. Most Important Symptoms and Effects Both Acute and Delayed

Causes skin irritation. Causes serious eye irritation. Harmful if Symptoms/Injuries

inhaled. May cause respiratory irritation. May cause drowsiness and dizziness. Suspected of damaging fertility or the unborn

child.

Symptoms/Injuries After Irritation of the respiratory tract and the other mucous

Inhalation membranes. High concentrations may cause central nervous

> system depression such as dizziness, vomiting, numbness, drowsiness, headache, and similar narcotic symptoms. Redness, pain, swelling, itching, burning, dryness, and

Symptoms/Injuries After Skin

Contact

dermatitis.

Symptoms/Injuries After Eye

Contact

Contact causes severe irritation with redness and swelling of the

conjunctiva.

Symptoms/Injuries After

Chronic Symptoms

Inaestion

Repeated or prolonged skin contact may cause dermatitis and defatting. Suspected of damaging fertility or the unborn child.

Indication of Any Immediate Medical Attention and Special Treatment Needed 4.3.

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

# **SECTION 5: Fire-Fighting Measures**

**Extinguishing Media** 

Suitable Extinguishing Media : Dry chemical powder, alcohol-resistant foam, carbon dioxide

(CO<sub>2</sub>). Water may be ineffective but water should be used to

keep fire-exposed container cool.

Ingestion may cause adverse effects.

Unsuitable Extinguishing Media : Do not use a heavy water stream. A heavy water stream may

spread burning liquid.

5.2. Special Hazards Arising From the Substance or Mixture

Highly flammable liquid and vapor. Will float and can be Fire Hazard

reignited on water surface. Vapors may travel to source of

ignition and flash back.

**Explosion Hazard** May form flammable or explosive vapor-air mixture.

Reacts violently with strong oxidizers. Increased risk of fire or Reactivity

explosion.

5.3. **Advice for Firefighters** 

Precautionary Measures Fire Exercise caution when fighting any chemical fire.

11/27/2023 EN (English US) 4/15 Firefighting Instructions Use water spray or fog for cooling exposed containers. In case

of major fire and large quantities: Evacuate area. Fight fire

remotely due to the risk of explosion.

**Protection During Firefighting** Do not enter fire area without proper protective equipment,

including respiratory protection.

Hazardous Combustion

**Products** 

Carbon oxides (CO, CO<sub>2</sub>). Silicon oxides. Formaldehyde.

## SECTION 6: Accidental Release Measures

#### Personal Precautions, Protective Equipment And Emergency Procedures 6.1.

Keep away from heat, hot surfaces, sparks, open flames, and General Measures

other ignition sources. No smoking. Use special care to avoid static electric charges. Avoid breathing (vapor, mist, spray). Do

not get in eyes, on skin, or on clothing.

### 6.1.1. For Non-Emergency Personnel

Protective Equipment Use appropriate personal protective equipment (PPE). **Emergency Procedures** Evacuate unnecessary personnel. Stop leak if safe to do so.

## 6.1.2. For emergency responders

**Protective Equipment** Equip cleanup crew with proper protection.

**Emergency Procedures** Eliminate ignition sources first, then ventilate the area. Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the

public, secure the area, and call for the assistance of trained

personnel as soon as conditions permit.

#### 6.2. **Environmental Precautions**

Prevent entry to sewers and public waters.

## Methods and Materials for Containment and Cleaning Up

For Containment As an immediate precautionary measure, isolate spill or leak

area in all directions. Contain any spills with dikes or absorbents

to prevent migration and entry into sewers or streams.

Clean up spills immediately and dispose of waste safely. Use Methods for Cleaning Up

only non-sparking tools. Absorb and/or contain spill with inert material. Do not take up in combustible material such as: saw dust or cellulosic material. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a

spill.

#### **Reference to Other Sections**

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

## **SECTION 7: Handling And Storage**

#### 7.1. **Precautions for Safe Handling**

Additional Hazards When

**Processed** 

Will decompose above 150 °C (> 300 °F) releasing formaldehyde vapors. Repeated or prolonged skin contact may cause dermatitis and defatting. Handle empty containers with care because residual vapors are flammable.

11/27/2023 EN (English US) Precautions for Safe Handling Use only non-sparking tools. Take precautionary measures

against static discharge. Avoid breathing vapors, mist, spray. Avoid prolonged contact with eyes, skin and clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Hygiene Measures Handle in accordance with good industrial hygiene and safety

procedures.

## Conditions for Safe Storage, Including Any Incompatibilities

Use explosion-proof electrical, ventilating, and lighting **Technical Measures** 

equipment. Ground and bond container and receiving

equipment. Take action to prevent static discharges. Comply

with applicable regulations.

**Storage Conditions** Store in a dry, cool place. Keep/Store away from direct sunlight,

> extremely high or low temperatures and incompatible materials. Store locked up/in a secure area. Store in a wellventilated place. Keep container tightly closed. Keep in

fireproof place.

Incompatible Materials Strong acids, strong bases, strong oxidizers. Nitrates. Water.

Alcohols. Metals. Attacks some forms of plastics, rubber, and

coatings.

#### 7.3. Specific End Use(S)

For professional use only.

## SECTION 8: Exposure Controls/Personal Protection

#### **Control Parameters** 8.1.

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), or OSHA (PEL).

tert-Butyl acetate (540-88-5)		
USA ACGIH	ACGIH OEL TWA [ppm]	50 ppm (Butyl acetates, all isomers)
USA ACGIH	ACGIH OEL STEL [ppm]	150 ppm (Butyl acetates, all isomers)
USA NIOSH	NIOSH REL (TWA)	950 mg/m³
USA NIOSH	NIOSH REL TWA [ppm]	200 ppm
USA OSHA	OSHA PEL (TWA) [1]	950 mg/m³
USA OSHA	OSHA PEL (TWA) [2]	200 ppm
Octamethylcyclotetrasiloxane (556-67-2)		
USA AIHA	WEEL TWA	10 ppm

Tin organic compounds		
USA ACGIH	ACGIH OEL TWA	0.1 mg/m³
USA ACGIH	ACGIH OEL STEL	0.2 mg/m³
USA ACGIH	ACGIH chemical category	Not Classifiable as a Human Carcinogen, Skin - potential significant contribution to overall exposure by the cutaneous route
USA NIOSH	NIOSH REL TWA	0.1 mg/m³ (except Cyhexatin)
USA OSHA	OSHA PEL TWA	0.1 mg/m <sup>3</sup>

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### 8.2. Exposure Controls

Appropriate Engineering Controls

Ensure adequate ventilation, especially in confined areas. Use explosion-proof equipment. Proper grounding procedures to avoid static electricity should be followed. Gas detectors should be used when flammable gases or vapors may be released. Suitable eye/body wash equipment should be available in the vicinity of any potential exposure. Ensure all national/local regulations are observed.

Personal Protective Equipment

Protective goggles or glasses. Gloves. Protective clothing. Insufficient ventilation: wear respiratory protection.









Materials For Protective

Clothing

**Hand Protection** 

Eye And Face Protection Skin And Body Protection Respiratory Protection Chemically resistant materials and fabrics. Wear fire/flame resistant/retardant clothing.

Wear protective gloves.

Chemical safety goggles or safety glasses with side shields. Wear suitable protective clothing.

If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved

respiratory protection.

Other Information When using, do not eat, drink or smoke.

# **SECTION 9: Physical and Chemical Properties**

## 9.1. Information on Basic Physical and Chemical Properties

Physical State Liquid
Appearance Colorless
Odor Solvent

Odor Threshold No data available На No data available **Evaporation Rate** No data available **Melting Point** No data available Freezing Point No data available **Boiling Point** 98 °C (208 °F) Flash Point 4 °C (39.2 °F) 518 °C (964 °F) **Auto-ignition Temperature Decomposition Temperature** No data available Flammability Not applicable Vapor Pressure No data available Relative Vapor Density at 20°C No data available Relative Density No data available

Specific Gravity < 1

Solubility
Partition Coefficient n-Octanol/Water
Viscosity

No data available
No data available
No data available

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### 9.2. Other Information

VOC Content 50-70 %

## **SECTION 10: Stability and Reactivity**

## 10.1. Reactivity

Reacts violently with strong oxidizers. Increased risk of fire or explosion. May react exothermically with water releasing heat. Adding an acid to a base or base to an acid may cause a violent reaction.

## 10.2. Chemical Stability

Highly flammable liquid and vapor. May form flammable or explosive vapor-air mixture.

## 10.3. Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

### 10.4. Conditions to Avoid

Direct sunlight, extremely high or low temperatures, heat, hot surfaces, sparks, open flames, incompatible materials, and other ignition sources.

## 10.5. Incompatible Materials

Strong acids, strong bases, strong oxidizers. Nitrates. Water. Alcohols. Metals. Attacks some forms of plastics, rubber, and coatings.

## 10.6. Hazardous Decomposition Products

Thermal decomposition may produce: Carbon oxides (CO, CO<sub>2</sub>). Silicon oxides. Fluorine compounds. Will decompose above 150 °C (>300° F) releasing formaldehyde vapors.

Formaldehyde is a potential carcinogen and can act as a potential skin and respiratory sensitizer. Formaldehyde can also cause respiratory and eye irritation.

# **SECTION 11: Toxicological Information**

## 11.1. Information on Toxicological Effects

Acute Toxicity (Oral)

Acute Toxicity (Dermal)

Acute Toxicity (Inhalation)

Not classified

Not classified

Harmful if inhaled.

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tert-Butyl acetate (540-88-5)	
LD50 Oral Rat	4500 mg/kg
LD50 Dermal Rabbit	> 2000
LC50 Inhalation Rat	> 9482 mg/m³ (Exposure time: 4 h)
Octamethylcyclotetrasiloxane (5	556-67-2)
LD50 Oral Rat	> 4800 mg/kg (No mortality)
LD50 Dermal Rat	> 2375 mg/kg
LD50 Dermal Rabbit	> 2.5 ml/kg (No mortality)
LC50 Inhalation Rat	36 mg/l/4h
Silanetriol, ethyl-, triacetate (17689-77-9)	
LD50 Oral Rat	1460 mg/kg
Silanetriol, methyl-, triacetate (4253-34-3)	
LD50 Oral Rat	1437 – 1780 mg/kg

2,4,6-trimethyl-2,4,6-tris(3,3,3-trifluoropropyl)cyclotrisiloxane (CAS 2374-14-3)		
LD50 Oral Rat	4659 mg/kg	

Skin Corrosion/Irritation Causes skin irritation.

Serious Eye Damage/Irritation Causes serious eye irritation.

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Respiratory or Skin Sensitization

Germ Cell Mutagenicity

Carcinogenicity

Not classified

Not classified

Not classified

Reproductive Toxicity Suspected of damaging fertility or the unborn child.

Specific Target Organ Toxicity May cause drowsiness or dizziness. May cause respiratory

irritation.

Specific Target Organ Toxicity

(Repeated Exposure)

(Single Exposure)

Not classified

Aspiration Hazard Not classified

Symptoms/Injuries After Irritation of the respiratory tract and the other mucous

Inhalation membranes. High concentrations may cause central nervous

system depression such as dizziness, vomiting, numbness, drowsiness, headache, and similar narcotic symptoms.

Symptoms/Injuries After Skin

Contact

Redness, pain, swelling, itching, burning, dryness, and

dermatitis.

Symptoms/Injuries After Eye

Contact

Contact causes severe irritation with redness and swelling of

the conjunctiva.

Symptoms/Injuries After

Ingestion

Ingestion may cause adverse effects.

Chronic Symptoms

Repeated or prolonged skin contact may cause dermatitis and defatting. Suspected of damaging fertility or the unborn child.

## **SECTION 12: Ecological Information**

## 12.1. Toxicity

Ecology - General Harmful to aquatic life with long lasting effects.

tert-Butyl acetate (540-88-5		
LC50 Fish 1	296 – 362 mg/l (Exposure time: 96 h - Species: Pimephales	
	promelas [flow-through])	
Octamethylcyclotetrasiloxane (556-67-2)		
LC50 Fish	> 22 µg/l	
NOEC Chronic Fish	0.0044 mg/l	

Dibutyltin diacetate (1067-33-0)	
EC50 Chronic	0.035 mg/l Exposure time: 72 hour (Species:
	Skeletonema costatum)
NOEC Acute	0.65 mg/l
NOEC Chronic Crustacea	0.32 mg/l (48-Hour EC50 Daphnia magna)

12.2. Persistence and Degradability

R-3975	
Persistence and Degradability	May cause long-term adverse effects in the environment.

#### 12.3. Bioaccumulative Potential

D 0075		
R-3975		
Bioaccumulative Potential	Not established.	
tert-Butyl acetate (540-88-5)		
Partition coefficient n-	1.64 (at 21.7 °C (at pH 5)	
octanol/water (Log Pow)		
Octamethylcyclotetrasiloxane (556-67-2)		
BCF Fish 1	(12400 dimensionless)	

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Partition coefficient noctanol/water (Log Pow)	6.488 (at 25.1 °C	
Silanetriol, methyl-, triacetate (4	253-34-3)	
Partition coefficient n-octanol/	vater (Log Pow)	0.25 KowWin
Dibutyltin diacetate (1067-33-0)		
Partition coefficient n-octanol/	vater (Log Pow)	3.39 (at 20 °C (at pH 5)

## 12.4. Mobility In Soil

No additional information available

### 12.5. Other Adverse Effects

Other Information Avoid release to the environment.

## **SECTION 13: Disposal Considerations**

## 13.1. Waste Treatment Methods

Waste Disposal Dispose of contents/container in accordance with local,

Recommendations regional, national, and international regulations.

Additional Information Handle empty containers with care because residual vapors

are flammable.

Ecology - Waste Materials Avoid release to the environment.

## **SECTION 14: Transport Information**

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

#### 14.1. In Accordance with DOT

Proper Shipping Name BUTYL ACETATES MIXTURE

Hazard Class 3

Identification Number UN1123

Label Codes 3
Packing Group II
ERG Number 129



## 14.2. In Accordance with IMDG

Proper Shipping Name BUTYL ACETATES MIXTURE

Hazard Class 3

Identification Number UN1123

Packing Group II
Label Codes 3
EmS-No. (Fire) F-E
EmS-No. (Spillage) S-D



#### 14.3. In Accordance with IATA

Proper Shipping Name BUTYL ACETATES MIXTURE

Packing Group II

Identification Number UN1123

Hazard Class 3 Label Codes 3



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ERG Code (IATA)

3L

# **SECTION 15: Regulatory Information**

## 15.1. US Federal Regulations

All components in this mixture are listed on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory, have been exempted, are not listed, not disclosed due to CBI requirements or disclosure rules according to the relevant regulation.

R-3975	
SARA Section 311/312 Hazard Classes	Health hazard - Specific target organ toxicity (single or repeated exposure) Health hazard - Reproductive toxicity
	Health hazard - Skin corrosion or Irritation
	Health hazard - Serious eye damage or eye irritation
	Physical hazard - Flammable (gases, aerosols, liquids, or solids)
tert-Butyl acetate (540-88-5)	
CERCLA RQ	5000 lb listed under Butyl acetate

## 15.2. US State Regulations

tert-Butyl acetate (540-88-5)
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- RTK U.S. New Jersey Right to Know Hazardous Substance List
- RTK U.S. Pennsylvania RTK (Right to Know) List
- U.S. Minnesota Hazardous Substance List
- RTK U.S. Massachusetts Right To Know List
- U.S. New Jersey Special Health Hazards Substances List
- U.S. New York Reporting of Releases Part 597 List of Hazardous Substances
- U.S. Tennessee Occupational Exposure Limits TWAs
- U.S. Massachusetts Toxics Use Reduction Act
- U.S. Vermont Permissible Exposure Limits TWAs
- U.S. Connecticut Hazardous Air Pollutants HLVs (8 hr)
- U.S. Washington Permissible Exposure Limits TWAs
- U.S. Connecticut Hazardous Air Pollutants HLVs (30 min)
- U.S. Washington Permissible Exposure Limits STELs
- U.S. Delaware Volatile Organic Compounds Exempt from Requirements
- U.S. Idaho Non-Carcinogenic Toxic Air Pollutants Emission Levels (ELs)
- U.S. Idaho Non-Carcinogenic Toxic Air Pollutants Acceptable Ambient Concentrations
- U.S. New York Occupational Exposure Limits TWAs
- U.S. Michigan Occupational Exposure Limits TWAs
- U.S. Minnesota Permissible Exposure Limits TWAs
- U.S. Massachusetts Oil & Hazardous Material List Reportable Quantity
- U.S. Massachusetts Oil & Hazardous Material List Soil Reportable Concentration Reporting Category 2
- U.S. Massachusetts Oil & Hazardous Material List Groundwater Reportable Concentration Reporting Category 2
- U.S. Massachusetts Oil & Hazardous Material List Groundwater Reportable Concentration Reporting Category 1
- U.S. Massachusetts Oil & Hazardous Material List Soil Reportable Concentration Reporting Category 1
- U.S. Delaware Pollutant Discharge Requirements Reportable Quantities
- U.S. New Jersey Discharge Prevention List of Hazardous Substances
- U.S. Oregon Permissible Exposure Limits TWAs
- U.S. Texas Effects Screening Levels Long Term
- U.S. Texas Effects Screening Levels Short Term
- U.S. Michigan Polluting Materials List
- RTK U.S. Pennsylvania RTK (Right to Know) Environmental Hazard List
- U.S. California SDAPCD Toxic Air Contaminants Carcinogenic Impacts Must Be Calculated
- U.S. North Dakota Air Pollutants Guideline Concentrations 8-Hour
- U.S. Massachusetts Volatile Organic Compounds Exempt From Requirements

## Octamethylcyclotetrasiloxane (556-67-2)

- U.S. Texas Effects Screening Levels Long Term
- U.S. Texas Effects Screening Levels Short Term
- U.S. Maine Chemicals of Concern
- U.S. Oregon Priority Persistent Pollutant Tier I Persistent Pollutants
- U.S. Minnesota Chemicals of High Concern
- U.S. Minnesota Chemicals of High Concern Persistent Bioaccumulative Toxins
- U.S. California Safer Consumer Products Initial List of Candidate Chemicals and Chemical Groups

## Silanetriol, ethyl-, triacetate (17689-77-9)

- U.S. Texas Effects Screening Levels Long Term
- U.S. Texas Effects Screening Levels Short Term

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## Silanetriol, methyl-, triacetate (4253-34-3)

- U.S. Texas Effects Screening Levels Long Term
- U.S. Texas Effects Screening Levels Short Term

## Dibutyltin diacetate (1067-33-0)

- RTK U.S. Massachusetts Right To Know List
- U.S. Texas Effects Screening Levels Long Term
- U.S. Texas Effects Screening Levels Short Term

## Tin organic compounds

- U.S. Minnesota Hazardous Substance List
- U.S. Tennessee Occupational Exposure Limits TWAs
- U.S. Tennessee Occupational Exposure Limits Skin Designations
- U.S. Vermont Permissible Exposure Limits TWAs
- U.S. Connecticut Hazardous Air Pollutants HLVs (8 hr)
- U.S. Vermont Permissible Exposure Limits Skin Designations
- U.S. Washington Permissible Exposure Limits TWAs
- U.S. Connecticut Hazardous Air Pollutants HLVs (30 min)
- U.S. Washington Permissible Exposure Limits STELs
- U.S. Washington Permissible Exposure Limits Skin Designations
- U.S. Idaho Non-Carcinogenic Toxic Air Pollutants Emission Levels (ELs)
- U.S. Idaho Non-Carcinogenic Toxic Air Pollutants Acceptable Ambient Concentrations
- U.S. New York Occupational Exposure Limits TWAs
- U.S. New York Occupational Exposure Limits Skin Designations
- U.S. Michigan Occupational Exposure Limits TWAs
- U.S. Michigan Occupational Exposure Limits Skin Designations
- U.S. Minnesota Permissible Exposure Limits Skin Designations
- U.S. Minnesota Permissible Exposure Limits TWAs
- U.S. Oregon Permissible Exposure Limits TWAs
- U.S. Texas Effects Screening Levels Long Term
- U.S. Texas Effects Screening Levels Short Term
- U.S. Wisconsin Hazardous Air Contaminants All Sources Emissions From Stack Heights 75 Feet or Greater
- U.S. Wisconsin Hazardous Air Contaminants All Sources Emissions From Stack Heights 40 Feet to Less Than 75 Feet
- U.S. Wisconsin Hazardous Air Contaminants All Sources Emissions From Stack Heights 25 Feet to Less Than 40 Feet
- U.S. Wisconsin Hazardous Air Contaminants All Sources Emissions From Stack Heights Less Than 25 Feet
- U.S. North Dakota Air Pollutants Guideline Concentrations 1-Hour
- U.S. North Dakota Air Pollutants Guideline Concentrations 8-Hour
- U.S. New Hampshire Regulated Toxic Air Pollutants Ambient Air Levels (AALs) 24-Hour
- U.S. New Hampshire Regulated Toxic Air Pollutants Ambient Air Levels (AALs) Annual
- Siloxanes and Silicones, methyl 3,3,3-trifluoropropyl, hydroxy-terminated (68607-77-2)
- U.S. Texas Effects Screening Levels Long Term
- U.S. Texas Effects Screening Levels Short Term

# SECTION 16: Other Information, Including Date of Preparation or Last Revision

Date of Preparation or Latest 11/27/2023 Revision

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## Other Information

This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

## GHS Full Text Phrases:

3 TOIL TEXT I TII CISES.	
Flam. Liq. 2	Flammable liquids Category 2
Flam. Liq. 3	Flammable liquids Category 3
Acute Tox. 4 (Inhalation:vapour)	Acute toxicity (inhalation) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Skin Corr. 1B	Skin corrosion/irritation Category 1B
Skin Corr. 1C	Skin corrosion/irritation Category 1C
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1B	Skin sensitization Category 1B
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Muta. 2	Germ cell mutagenicity Category 2
Repr. 1B	Reproductive toxicity Category 1B
Repr. 2	Reproductive toxicity Category 2
STOT SE 1	Specific target organ toxicity (single exposure) Category 1
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
STOT RE 1	Specific target organ toxicity (repeated exposure) Category 1
STOT RE 2	Specific target organ toxicity (repeated exposure) Category 2
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard Category 3
H225	Highly flammable liquid and vapor
H226	Flammable liquid and vapor
H332	Harmful if inhaled
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H341	Suspected of causing genetic defects
H360	May damage fertility or the unborn child
H361	Suspected of damaging fertility or the unborn child
H370	Causes damage to organs
H336	May cause drowsiness or dizziness
H372	Causes damage to organs through prolonged or repeated exposure
H335	May cause respiratory irritation

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H373	May cause damage to organs through prolonged or repeated exposure (dermal)
H410	Very toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

NFPA Health Hazard 2 - Materials that, under emergency

conditions, can cause temporary incapacitation or residual injury.

NFPA Fire Hazard 3 - Liquids and solids (including finely

divided suspended solids) that can be ignited under almost all ambient

temperature conditions.

NFPA Reactivity Hazard 0 - Material that in themselves are

normally stable, even under fire

conditions.

HMIS III Rating

Health 2 Moderate Hazard

\* Chronic - Chronic (long-term) health effects may result from

repeated overexposure

Flammability 3 Serious Hazard
Physical 0 Minimal Hazard

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