

# FS3-3730

## Safety Data Sheet

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

Revision date: 08/14/2024

Date of issue: 08/16/2013

Version: 6.0

### SECTION 1: Identification

#### 1.1. Product identifier

Product Form Mixture  
Product Name FS3-3730  
Synonyms Fluorosilicone Adhesive

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture For professional use only.

#### 1.3. 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](mailto:productstewardship@avantorsciencesgcc.com)

[www.nusil.com](http://www.nusil.com)

#### 1.4. Emergency telephone number

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

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### GHS-US classification

Skin Corr. 1B H314  
Eye Dam. 1 H318  
STOT SE 3 H335  
Repr. 2 H361

Full text of hazard classes and H-statements: see section 1.6

#### 2.2. Label elements

##### GHS-US labeling

Hazard pictograms (GHS-US)



GHS05



GHS07



GHS08

Signal word (GHS-US)

Danger

Hazard statements (GHS-US)

H314 - Causes severe skin burns and eye damage

H318 - Causes serious eye damage

H335 - May cause respiratory irritation

H361 - Suspected of damaging fertility or the unborn child

Precautionary statements (GHS-US)

P201 - Obtain special instructions before use.

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

P260 - Do not breathe 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.

P280 - Wear protective gloves, protective clothing, and eye

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protection.

P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting.

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.

P310 - Immediately call a poison center or doctor.

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

P363 - Wash contaminated clothing before reuse.

P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

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.

### 2.4. Unknown acute toxicity (GHS US)

No data available

## SECTION 3: Composition/Information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

Name	Product identifier	%	GHS-US classification
Siloxanes and silicones, Me 3,3,3-trifluoropropyl, hydroxy-terminated	(CAS No) 68607-77-2	70 - 90	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
Silanetriol, ethyl-, triacetate	(CAS No) 17689-77-9	5 - 10	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318
Silanetriol, methyl-, triacetate	(CAS No) 4253-34-3	< 5	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	< 1	Repr. 2, H361 STOT RE 1, H372 STOT RE 2, H373
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

Full text of H-phrases: see section 16

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

## 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).
First-aid measures after inhalation	When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.
First-aid measures after skin contact	Remove contaminated clothing. Immediately flush skin with plenty of water for at least 60 minutes. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or doctor.
First-aid measures after eye contact	Rinse cautiously with water for at least 60 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.
First-aid measures after ingestion	Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries	Causes severe skin burns and eye damage. Causes serious eye damage. May cause respiratory irritation. Suspected of damaging fertility or the unborn child.
Symptoms/injuries after inhalation	May be corrosive to the respiratory tract.
Symptoms/injuries after skin contact	Causes severe irritation which will progress to chemical burns.
Symptoms/injuries after eye contact	Causes permanent damage to the cornea, iris, or conjunctiva.
Symptoms/injuries after ingestion	May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.
Chronic symptoms	Suspected of damaging fertility or the unborn child.

### 4.3. Indication of any immediate medical attention and special treatment needed

If you feel unwell, seek medical advice (show the label where possible).

## SECTION 5: Fire-fighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media	Do not use a heavy water stream. Use of heavy stream of water may spread fire. Application of water stream to hot product may cause frothing and increase fire intensity.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard	Not considered flammable but may burn at high temperatures.
Explosion hazard	Product is not explosive.

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Reactivity May react exothermically with water releasing heat. Adding an acid to a base or base to an acid may cause a violent reaction.

### 5.3. Advice for firefighters

Precautionary measures fire Exercise caution when fighting any chemical fire. Under fire conditions, hazardous fumes will be present.

Firefighting instructions Use water spray or fog for cooling exposed containers.  
Protection during firefighting Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures Do not get in eyes, on skin, or on clothing. Do not breathe vapor, mist or spray.

#### 6.1.1. For non-emergency personnel

Protective equipment Use appropriate personal protective equipment (PPE).  
Emergency procedures Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

Protective equipment Equip cleanup crew with proper protection.  
Emergency procedures 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. Ventilate area.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters.

### 6.3. Methods and material for containment and cleaning up

For containment Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. As an immediate precautionary measure, isolate spill or leak area in all directions.

Methods for cleaning up Clean up spills immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill. Cautiously neutralize spilled liquid.

### 6.4. 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 May release corrosive vapors.

Precautions for safe handling Do not get in eyes, on skin, or on clothing. Do not breathe vapor, mist, spray. Handle empty containers with care because they may still present a hazard.

Hygiene measures Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

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### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures  
Storage conditions

Comply with applicable regulations.

Keep container closed when not in use. Store in a dry, cool and well-ventilated place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Store in original container or corrosive resistant and/or lined container.

Incompatible products  
Incompatible materials

Strong acids, strong bases, strong oxidizers.

Sources of ignition. Direct sunlight.

### 7.3. Specific end use(s)

For bonding silicone elastomers to each other and some synthetics and metals. For professional use only.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

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).

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

### 8.2. Exposure controls

Appropriate engineering controls

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Personal protective equipment

Gloves. Protective clothing. Protective goggles. Face shield. Insufficient ventilation: wear respiratory protection.



Materials for protective clothing

Chemically resistant materials and fabrics. Corrosion-proof clothing.

Hand protection

Wear protective gloves.

Eye protection

Chemical safety goggles and face shield.

Skin and body protection

Wear suitable protective clothing.

Respiratory protection

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.

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### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Colorless
Odor	: Acetic acid
Odor threshold	: No data available
pH	: No data available
Evaporation Rate	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 135 °C (> 275 °F)
Auto-ignition Temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Specific Gravity	: > 1
Solubility	: Insoluble in water
Partition coefficient: n-octanol/water	: No data available
Viscosity	: No data available

#### 9.2. Other information

VOC content < 1%

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

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

Stable under recommended handling and storage conditions (see section 7).

#### 10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

#### 10.4. Conditions to avoid

Direct sunlight, extremely high or low temperatures, and incompatible materials.

#### 10.5. Incompatible materials

Strong acids, strong bases, strong oxidizers.

#### 10.6. Hazardous decomposition products

Carbon oxides (CO, CO<sub>2</sub>). Silicon oxides. 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 Not classified

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<b>Silanetriol, ethyl-, triacetate (17689-77-9)</b>	
LD50 oral rat	1460 mg/kg
<b>Silanetriol, methyl-, triacetate (4253-34-3)</b>	
LD50 oral rat	1437 - 1780 mg/kg
<b>2,4,6-trimethyl-2,4,6-tris(3,3,3-trifluoropropyl)cyclotrisiloxane (CAS 2374-14-3)</b>	
LD50 oral rat	4659 mg/kg

Skin corrosion/irritation	Causes severe skin burns and eye damage.
Serious eye damage/irritation	Causes serious eye damage.
Respiratory or skin sensitization	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	: Suspected of damaging fertility or the unborn child.
Specific target organ toxicity (single exposure)	: May cause respiratory irritation.
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	Not classified
Symptoms/injuries after inhalation	May be corrosive to the respiratory tract.
Symptoms/injuries after skin contact	Causes severe irritation which will progress to chemical burns.
Symptoms/injuries after eye contact	Causes permanent damage to the cornea, iris, or conjunctiva.
Symptoms/injuries after ingestion	May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.
Chronic symptoms	Suspected of damaging fertility or the unborn child.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general Not classified.

<b>Dibutyltin diacetate (1067-33-0)</b>	
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

<b>FS3-3730</b>	
Persistence and degradability	Not established.

### 12.3. Bioaccumulative potential

<b>FS3-3730</b>	
Bioaccumulative potential	Not established.

<b>Silanetriol, methyl-, triacetate (4253-34-3)</b>	
Log Pow	0.25 KowWin

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

Other information Avoid release to the environment.

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste disposal recommendations	Dispose of contents/container in accordance with local, regional, national, and international regulations.
Additional information	Container may remain hazardous when empty. Continue to observe all precautions.
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	:CORROSIVE LIQUID, N.O.S. (Silanetriol, ethyl-, triacetate)
Hazard Class	:8
Identification Number	:UN1760
Label Codes	:8
Packing Group	:II



#### 14.2. In Accordance with IMDG

Proper Shipping Name	:CORROSIVE LIQUID, N.O.S. (Silanetriol, ethyl-, triacetate)
Hazard Class	:8
Identification Number	:UN1760
Packing Group	:II
Label Codes	:8
EmS-No. (Fire)	:F-A
EmS-No. (Spillage)	:S-B
MFAG Number	:154



#### 14.3. In Accordance with IATA

Proper Shipping Name	:CORROSIVE LIQUID, N.O.S. (Silanetriol, ethyl-, triacetate)
Packing Group	:II
Identification Number	:UN1760
Hazard Class	:8
Label Codes	:8
ERG Code (IATA)	:8L



### 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.

<b>FS3-3730</b>	
SARA Section 311/312 Hazard Classes	Health hazard - Skin corrosion or Irritation Health hazard - Serious eye damage or eye irritation Health hazard - Specific target organ toxicity (single exposure) Health hazard - Reproductive toxicity



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### 15.2. US State Regulations

<b>Silanetriol, ethyl-, triacetate (17689-77-9)</b>
U.S. - Texas - Effects Screening Levels - Long Term U.S. - Texas - Effects Screening Levels - Short Term
<b>Silanetriol, methyl-, triacetate (4253-34-3)</b>
U.S. - Texas - Effects Screening Levels - Long Term U.S. - Texas - Effects Screening Levels - Short Term
<b>Tin organic compounds</b>
U.S. - Connecticut - Hazardous Air Pollutants - HLVs (30 min) U.S. - Connecticut - Hazardous Air Pollutants - HLVs (8 hr) U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations U.S. - Idaho - Non-Carcinogenic Toxic Air Pollutants - Emission Levels (ELs) U.S. - Michigan - Occupational Exposure Limits - Skin Designations U.S. - Michigan - Occupational Exposure Limits - TWAs U.S. - Minnesota - Hazardous Substance List U.S. - Minnesota - Permissible Exposure Limits - Skin Designations U.S. - Minnesota - Permissible Exposure Limits - TWAs 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 U.S. - New York - Occupational Exposure Limits - Skin Designations U.S. - New York - Occupational Exposure Limits - TWAs U.S. - North Dakota - Air Pollutants - Guideline Concentrations - 1-Hour U.S. - North Dakota - Air Pollutants - Guideline Concentrations - 8-Hour U.S. - Oregon - Permissible Exposure Limits - TWAs U.S. - Tennessee - Occupational Exposure Limits - Skin Designations U.S. - Tennessee - Occupational Exposure Limits - TWAs U.S. - Texas - Effects Screening Levels - Long Term U.S. - Texas - Effects Screening Levels - Short Term U.S. - Vermont - Permissible Exposure Limits - Skin Designations U.S. - Vermont - Permissible Exposure Limits - TWAs U.S. - Washington - Permissible Exposure Limits - Skin Designations U.S. - Washington - Permissible Exposure Limits - STELs U.S. - Washington - Permissible Exposure Limits - TWAs 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 40 Feet to Less Than 75 Feet 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 Less Than 25 Feet
<b>Dibutyltin diacetate (1067-33-0)</b>
RTK - U.S. - Massachusetts - Right To Know List 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

Revision date

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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.

### Full text of H-phrases:

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1
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
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
STOT RE 1	Specific target organ toxicity (repeated exposure) Category 1
STOT RE 2	Specific target organ toxicity (repeated exposure) Category 2
STOT SE 1	Specific target organ toxicity (single exposure) Category 1
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
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
H335	May cause respiratory 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
H372	Causes damage to organs through prolonged or repeated exposure (Oral)
H373	May cause damage to organs through prolonged or repeated exposure (dermal)
H410	Very toxic to aquatic life with long lasting effects

### NFPA health hazard

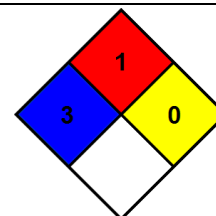
3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.

### NFPA fire hazard

1 - Must be preheated before ignition can occur.

### NFPA reactivity

0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



### HMIS III Rating Health

3 Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given  
 \* Chronic - Chronic (long-term) health effects may result from repeated overexposure

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Flammability  
Physical

1 Slight Hazard  
0 Minimal Hazard

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