FS1-3730



Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Revision Date:: 12/19/2018 Date of Issue: 03/04/2014

Version 3.0

SECTION 1: Identification

Product Identifier 1.1.

Product Form Mixture FS1-3730 Product Name

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. Details of the Supplier of the Safety Data Sheet

NuSil Technology LLC 1050 Cindy Lane

Carpinteria, California 93013

USA

(805) 684-8780 ehs@nusil.com www.nusil.com

1.4. **Emergency Telephone Number**

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

Number and Maritime)

SECTION 2: Hazards Identification

Classification of the Substance or Mixture 2.1.

GHS-US Classification

Skin Corr. 1B H314 Eye Dam. 1 H318 STOT SE 3 H335 Aquatic Acute 3 H402

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

Label Elements

GHS-US Labelina

Hazard Pictograms (GHS-US)





GHS05

GHS07

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

H402 - Harmful to aquatic life

Precautionary Statements (GHS-

US)

P260 - Do not breathe mist, spray, vapors.

P264 - Wash hands, forearms and face thoroughly after

handling.

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

P273 - Avoid release to the environment.

P280 - Wear eye protection, protective clothing, protective

gloves, face shield.

12/19/2018 EN (English US) 1/9 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.

P310 - Immediately call a POISON CENTER, a 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. Substances

Not applicable

3.2. Mixture

Name	Product Identifier	%	GHS-US Classification
Siloxanes and Silicones, methyl	(CAS-No.) 68607-77-2	70 - 90	Skin Irrit. 2, H315
3,3,3-trifluoropropyl, hydroxy-			Eye Irrit. 2A, H319
terminated			STOT SE 3, H335
Silanetriol, ethyl-, triacetate	(CAS-No.) 17689-77-9	< 10	Acute Tox. 4 (Oral), H302
			Skin Corr. 1B, H314
			Eye Dam. 1, H318

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).

First-aid Measures After

Inhalation

Remove to fresh air and keep at rest in a position comfortable

for breathing. Immediately call a POISON CENTER or

doctor/physician.

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First-aid Measures After Skin Remove contaminated clothing. Immediately flush skin with

plenty of water for at least 30 minutes. Immediately call a

POISON CENTER or doctor. Wash contaminated clothing before

reuse.

First-aid Measures After Eye

Contact

Contact

Rinse cautiously with water for at least 30 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get

immediate medical advice/attention.

First-aid Measures After Rinse mouth. Do not induce vomiting. Immediately call a

Ingestion POISON CENTER or doctor/physician.

4.2. Most Important Symptoms and Effects Both Acute and Delayed

Symptoms/Injuries Causes severe skin burns and eye damage. May cause

respiratory irritation.

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

membranes. May be corrosive to the respiratory tract.

Symptoms/Injuries After Skin Causes severe irritation which will progress to chemical burns.

Contact Symptoms/Injuries After Eye

Contact

Inhalation

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 None expected under normal conditions of use.

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

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

5.1. Extinguishing Media

Suitable Extinguishing Media

: Water spray, dry chemical, foam, carbon dioxide.

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.

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 Firefighting Instructions

Exercise caution when fighting any chemical fire.

Do not allow run-off from fire fighting to enter drains or water

sources. Do not breath fumes from fires or vapors from decompostion. Use water spray or fog for cooling exposed

containers.

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

including respiratory protection.

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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 Ventilate 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.

6.3. Methods and Materials for Containment and Cleaning Up

For Containment Contain any spills with dikes or absorbents to prevent migration

and entry into sewers or streams.

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

Cautiously neutralize spilled liquid. Contact competent authorities after a spill. Transfer spilled material to a suitable

container for disposal.

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 May release corrosive vapors.

Processed

Precautions for Safe Handling Avoid all eyes and skin contact and do not breathe vapor and

mist.

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 again

when leaving work.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures Comply with applicable regulations.

Storage Conditions Store in a dry, cool and well-ventilated place. Keep container

closed when not in use. Store locked up. 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 Materials Strong acids, strong bases, strong oxidizers.

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7.3. Specific End Use(S)

For sealing and bonding applications requiring solvent and/or fuel resistance. 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).

8.2. Exposure Controls

Appropriate Engineering Ensure all national/local regulations are observed. Emergency Controls eye wash fountains and safety showers should be available in

the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment Gloves. Protective goggles. Protective clothing. Insufficient

Corrosion-proof clothing.

ventilation: wear respiratory protection.









Materials For Protective

Clothing

Hand Protection Wear chemically resistant protective gloves. Eye And Face 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.

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 Hq 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

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Vapor Pressure

Relative Vapor Density at 20°C

Relative Density

No data available

No data available

Specific Gravity > 1

Solubility
Partition Coefficient n-Octanol/Water
Viscosity
No data available
No data available
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

Thermal decomposition generates: Carbon oxides (CO, CO₂). Silicon oxides. Corrosive vapors. 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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Silanetriol, ethyl-, triacetate (17689-77-9)	
LD50 Oral Rat	1460 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 : Not classified

Specific Target Organ Toxicity (Single : May cause respiratory irritation.

Exposure)

Specific Target Organ Toxicity (Repeated : Not classified

Exposure)

Aspiration Hazard Not classified

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

Inhalation membranes. May be corrosive to the respiratory tract. Causes severe irritation which will progress to chemical burns.

Symptoms/Injuries After Skin

Contact

Symptoms/Injuries After Eye Causes permanent damage to the cornea, iris, or conjunctiva.

Contact

Symptoms/Injuries After May cause burns or irritation of the linings of the mouth, throat,

Ingestion and gastrointestinal tract.

Chronic Symptoms None expected under normal conditions of use.

SECTION 12: Ecological Information

12.1. Toxicity

Harmful to aquatic life. Ecology - General

12.2. Persistence and Degradability

FS1-3730	
Persistence and Degradability	Not established.

12.3. Bioaccumulative Potential

FS1-3730	
Bioaccumulative Potential	Not established.

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 Container may remain hazardous when empty. Continue to

observe all precautions.

Avoid release to the environment. Ecology - Waste Materials

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.

In Accordance with DOT 14.1.

Proper Shipping Name **CORROSIVE** LIQUIDS, N.O.S. (Contains: ethyl-, Silanetriol,

triacetate)

Hazard Class 8

Identification Number UN1760

Label Codes 8 Packing Group Ш **ERG Number** 154

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14.2. In Accordance with IMDG

Proper Shipping Name CORROSIVE LIQUID, N.O.S. (Contains: 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. (Contains: Silanetriol, ethyl-, triacetate)

Packing Group I

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.

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SARA Section 311/312 Hazard	Health hazard - Serious eye damage or eye irritation
Classes	Health hazard - Specific target organ toxicity (single or repeated
	exposure)
	Health hazard - Skin corrosion or Irritation

15.2. US State Regulations

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

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

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

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 12/19/2018

Revision

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This Document Has Been Prepared In Accordance With The Sds Requirements Of The Osha Hazard Communication Standard 29 Cfr 1910.1200This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication

Standard 29 CFR 1910.1200.

GHS Full Text Phrases:

Other Information

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4

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Aquatic Acute 3	Hazardous to the aquatic environment - Acute Hazard Category 3
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Skin Corr. 1B	Skin corrosion/irritation Category 1B
Skin Irrit. 2	Skin corrosion/irritation Category 2
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
H318	Causes serious eye damage
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H402	Harmful to aquatic life

NFPA Health Hazard 3 - Materials that, under emergency

conditions, can cause serious or

permanent injury.

NFPA Fire Hazard 1 - Materials that must be preheated

before ignition can occur.

NFPA Reactivity Hazard 0 - Material that in themselves are

normally stable, even under fire

conditions.

HMIS III Rating

Health 3 Serious Hazard - Major injury likely unless prompt action is

taken and medical treatment is given

Flammability 1 Slight Hazard
Physical 0 Minimal Hazard

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