



SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product Identifier

Product form : Substance
Substance name : FS-3602
CAS No. : 115361-68-7
Formula : Unspecified
Synonyms : Silicone Fluid
Other means of identification : Silicone Fluid with reduced solubility, good wetting properties, and good lubrication characteristics
For professional use only.

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

Use of the substance/mixture : Silicone lubricant

1.3. 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 number : 703-527-3887
CHEMTREC - Outside USA

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Not classified

2.2. Label elements

GHS-US labeling

No labeling applicable

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

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Name	Product Identifier	%	GHS-US classification
Dimethylmethyl 3,3,3-trifluoropropyl siloxane	(CAS No.) 115361-68-7	100	Not classified

Full text of H-phrases: see section 16

3.2. Mixture

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : If medical advice is needed, have product container or label at hand.
- First-aid measures after inhalation : If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.
- First-aid measures after skin contact : Gently wash with plenty of soap and water. Obtain medical attention if irritation develops or persists.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists.
- First-aid measures after ingestion : Do not induce vomiting. Seek medical attention if a large amount is swallowed.

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

- Symptoms/injuries : May cause mild skin irritation. May cause minor eye irritation.
- Symptoms/injuries after inhalation : Inhalation of fumes or vapours may cause respiratory irritation.
- Symptoms/injuries after skin contact : May cause mild skin irritation.
- Symptoms/injuries after eye contact : May cause minor eye irritation.
- Symptoms/injuries after ingestion : If a large quantity has been ingested : Gastrointestinal irritation.
- Chronic symptoms : Repeated or prolonged skin contact may cause irritation.

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

If medical advice is needed, have product container or label at hand.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Not considered flammable but will burn at high temperatures.
For large fire : Alcohol-resistant foam. Universal-type foam.
For small fire : Water spray. Carbon dioxide. Dry chemical.
- Unsuitable extinguishing media : Do not use a heavy water stream. Use of heavy stream of water may spread fire. Water or foam may cause frothing.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Not considered flammable but will burn at high temperatures. Under conditions of fire this material may produce: Trifluoropropionaldehyde. Carbon oxides (CO, CO₂). Silicon oxides. Fluorine compounds. Formaldehyde. Low molecular weight hydrocarbon fragments.
- Explosion hazard : Product is not explosive.
- Reactivity : Stable at ambient temperature and under normal conditions of use.

5.3. Advice for firefighters

- Firefighting instructions : Do not breathe fumes from fires or vapours from decomposition. Exercise caution when fighting any chemical fire.

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- Protection during firefighting : Use normal individual fire protective equipment. Use self-contained breathing apparatus when fighting fire in an enclosed area.
- Other information : Do not use a solid water stream as it may scatter and spread fire.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Avoid contact with skin and eyes.

6.1.1. For non-emergency personnel

- Protective equipment : Wear suitable protective clothing, gloves and eye/face protection.
- Emergency procedures : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

6.1.2. For emergency responders

- Protective equipment : Wear suitable protective clothing, gloves and eye/face protection.
- Emergency procedures : If possible, stop flow of product. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

6.2. Environmental precautions

- Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

6.3. Methods and material for containment and cleaning up

- For containment : Absorb and/or contain spill with inert material, then place in suitable container.
- Methods for cleaning up : Clean up any spills as soon as possible, using an absorbent material to collect it. Collect absorbed material and place into a sealed, labelled container for proper disposal.

6.4. Reference to other sections

- No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Additional hazards when processed : When heated to decomposition, emits toxic fumes. Any proposed use of this product in elevated-temperature processes should be thoroughly evaluated to assure that safe operating conditions are established and maintained.
- Precautions for safe handling : Use appropriate personal protective equipment when handling and observe good personal hygiene measures after handling. Avoid contact with skin and eyes. Do not breathe vapours.
- Hygiene measures : Always wash your hands immediately after handling this product, and once again before leaving the workplace.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a dry, cool place. Keep container tightly closed. Store in original container.
- Incompatible materials : Reacts with (strong) oxidizers.
- Storage area : Store away from heat.
- Special rules on packaging : Keep container closed when not in use.

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7.3. Specific end use(s)

Silicone lubricant.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls : Ensure adequate ventilation, especially in confined areas.

Personal protective equipment : Gloves. Safety glasses.



Hand protection : PVC gloves.

Eye protection : Safety glasses.

Skin and body protection : Wear suitable protective clothing. Wash contaminated clothing before reuse.

Respiratory protection : In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Translucent; Viscous
Colour	: No data available
Odour	: Odourless
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 135 °C (> 275 °F) (Estimated)
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 1.07
Solubility	: Water: Insoluble
Log Pow	: No data available

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Log Kow	: No data available
Viscosity	: No data available
Explosive properties	: None known.
Oxidising properties	: None known.
Explosive limits	: No data available

9.2. Other information

VOC content : < 1 %

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable at ambient temperature and under normal conditions of use.

10.2. Chemical stability

Stable at standard temperature and pressure.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Avoid high temperatures. May form highly toxic vapours of trifluoropropionaldehyde if heated in air above 149 °C (300 °F).

10.5. Incompatible materials

Avoid strong oxidizers.

10.6. Hazardous decomposition products

Under conditions of fire this material may produce: Trifluoropropionaldehyde . Carbon oxides (CO, CO₂). Silicon oxides. Formaldehyde. Fluorine compounds. Low molecular weight hydrocarbon fragments.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

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12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Sewage disposal recommendations : Do not empty into drains; dispose of this material and its container in a safe way.

Waste disposal recommendations : Dispose of waste material in accordance with all local, regional, national, and international regulations.

SECTION 14: Transport information

In accordance with DOT / TDG / ADR / RID / ADNR / IMDG / ICAO / IATA

14.1. UN number

Not applicable

14.2. UN proper shipping name

Not applicable

14.3. Additional information

Other information : No supplementary information available.

Overland transport

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

Dimethylmethyl 3,3,3-trifluoropropyl siloxane (115361-68-7)

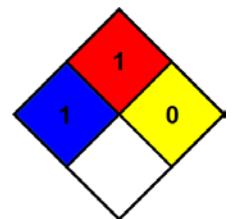
Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. US State regulations

No additional information available

SECTION 16: Other information

NFPA health hazard : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is 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.



We believe that the information contained herein is current as of the date of this Safety Data Sheet, and is offered in good faith. Since the use of this information and of these opinions and the conditions of the use of the product are not within the control of NuSil Technology, it is the user's obligation to determine the conditions of safe use of the product. SDS US (GHS HazCom 2012) - US