

Safety Data Sheet

FL-1000 Fluorosilicone Oil

Date Prepared: January 1st, 2020



1. Identification

Product Identifier

Product name FL-1000 Fluorosilicone Oil

Recommended use of the chemical and restrictions on use

Recommended Use Defoamer, lubricant.
Uses advised against No information available

Details of the supplier of the safety data sheet

Clearco Products Co Inc.
15 York Rd
Willow Grove, PA 19090
USA

For further information, please contact

Contact Point Clearco Products Co Inc
E-mail address info@clearcoproducts.com

Emergency telephone number

Emergency telephone CHEM TEL: 1-800-255-3924 (DOMESTIC)
+01-813-248-0585 (INTERNATIONAL)

2. Hazards Identification

Classification

OSHA Regulatory Status

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Label Elements

EMERGENCY OVERVIEW

The product contains no substances which at their given concentration, are considered to be hazardous to health

Appearance viscous

Physical State Liquid

Odor characteristic

Hazards not otherwise classified (HNOC)**OTHER INFORMATION****3. Composition/information on Ingredients**

None known based on information supplied

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. First aid measures**FIRST AID MEASURES**

| | |
|-----------------------|---|
| General advice | When in doubt or if symptoms are observed, get medical advice. |
| Eye Contact | If substance enters the eyes, immediately rinse with plenty of water for several minutes. |
| Skin contact | Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. |
| Inhalation | Remove to fresh air. |
| Ingestion | Clean mouth with water and drink afterwards plenty of water. |

Most important symptoms and effects, both acute and delayed

Symptoms No information available.

Indication of any immediate medical attention and special treatment needed Note to

physicians Treat symptomatically.

5. Fire-fighting measures**Suitable Extinguishing Media**

Use. Carbon dioxide (CO₂). Extinguishing powder. Alcohol resistant foam. Cool containers with flooding quantities of water until well after fire is out.

Unsuitable Extinguishing Media

Do not use a solid water stream as it may scatter and spread fire.

Specific extinguishing methods

No information available.

Hazardous combustion products Carbon monoxide, Carbon dioxide (CO₂), Nitrogen oxides (NO_x), Formaldehyde.

Protective equipment and precautions for firefighters

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

6. Accidental release measures**Personal precautions, protective equipment and emergency procedures**

Personal precautions Special danger of slipping by leaking/spilling product. Ensure adequate ventilation, especially in confined areas. Do not breathe gas/fumes/vapor/spray. Evacuate personnel to safe areas.

Environmental Precautions

Environmental Precautions See Section 12 for additional Ecological Information.

Methods and material for containment and cleaning up

| | |
|--------------------------------|--|
| Methods for Containment | Prevent further leakage or spillage if safe to do so. |
| Methods for cleaning up | Cover liquid spill with sand, earth or other non-combustible absorbent material. Dam up. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly. Use personal protective equipment as required. |

7. Handling and Storage**Precautions for safe handling**

| | |
|--------------------------------|---|
| Advice on safe handling | Ensure adequate ventilation, especially in confined areas. Do not breathe gas/fumes/vapor/spray. Use personal protective equipment as required. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities. |
|--------------------------------|---|

Conditions for safe storage, including any incompatibilities

| | |
|------------------------------|--|
| Storage Conditions | Keep containers tightly closed in a dry, cool and well-ventilated place. Never use pressure to empty; drum is not a pressure vessel. |
| Incompatible Products | Incompatible with oxidizing agents. Acids. Bases. |

8. Exposure Controls/Personal Protection**Control parameters**

| | |
|----------------------------|---|
| Exposure guidelines | This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies. |
|----------------------------|---|

Appropriate engineering controls Engineering

| | |
|-----------------|---|
| controls | Showers Eyewash stations Ventilation systems. |
|-----------------|---|

Individual protection measures, such as personal protective equipment

| | |
|---------------------------------|---|
| Eye/face Protection | Wear safety glasses with side shields (or goggles). |
| Skin and Body Protection | Wear protective gloves and protective clothing. |
| Respiratory protection | Not applicable |

| | |
|---------------------------------------|---|
| General hygiene considerations | Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. |
|---------------------------------------|---|

9. Physical and Chemical Properties**Information on basic physical and chemical properties**

| | | | |
|-----------------------|---------------|--------------------------|--------------------------|
| Physical State | Liquid | Odor | characteristic |
| Appearance | viscous | Odor threshold | No information available |
| Color | Colorless | | |
| Property | Values | Remarks • Method | |
| pH | | No information available | |

| | | |
|--------------------------------------|---------------------------------|----------------------------------|
| Melting point/freezing point | | No information available |
| Boiling point / boiling range | | No information available |
| Flash Point | > 100 °C / > 212 °F | Pensky-Martens Closed Cup (PMCC) |
| Evaporation Rate | < 1 | |
| Flammability (solid, gas) | | No information available |
| Flammability Limit in Air | | |
| Upper flammability limit: | No data available | |
| Lower flammability limit: | No data available | |
| Vapor pressure | No data available | @ 20° C |
| Vapor Density | > 1 | |
| Specific gravity | No data available | @ 20° C |
| | approx. 0.96 g/cm ³ | @ 25° C |
| Water solubility | No data available | @ 20° C |
| Solubility(ies) | Insoluble in water | |
| Partition coefficient | | No information available |
| Autoignition Temperature | | No information available |
| Decomposition temperature | | No information available |
| Kinematic viscosity | No data available | @ 40 °C |
| | approx. 1000 mm ² /s | @ 25° C |
| Dynamic viscosity | No data available | @ 40 °C |
| Explosive properties | No information available | |
| Oxidizing properties | No information available | |

10. Stability and Reactivity

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to Avoid

Extremes of temperature and direct sunlight.

Incompatible Products

Incompatible with oxidizing agents. Acids. Bases.

Hazardous decomposition products

Thermal decomposition can lead to release of irritating and toxic gases and vapors. If this product is heated to > 150 °C, trace quantities of formaldehyde may be released, and adequate ventilation is required. Silicon dioxide.

11. Toxicological Information

Information on likely routes of exposure

Acute Toxicity

Product Information

Product does not present an acute toxicity hazard based on known or supplied information.

| | |
|---------------------|--------------------|
| Inhalation | No data available. |
| Eye Contact | No data available. |
| Skin contact | No data available. |
| Ingestion | No data available. |

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

| | |
|---------------------------------|---------------------------|
| Sensitization | No information available. |
| Germ Cell Mutagenicity | No information available. |
| Carcinogenicity | No information available. |
| Reproductive Toxicity | No information available. |
| STOT - single exposure | No information available. |
| STOT - repeated exposure | No information available. |
| Aspiration Hazard | No information available. |

Numerical measures of toxicity - Product Information

Acute Toxicity

12. Ecological Information

Ecotoxicity

0% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Product Information

Acute (short-term) algae toxicity

| | |
|--------------|--------------------------|
| EC50 | No information available |
| EC0 | No information available |
| IC50 | No information available |
| IC0 | No information available |
| ErC50 | No information available |
| EbC50 | No information available |

Acute (short-term) fish toxicity

| | |
|-------------|--------------------------|
| LC50 | No information available |
| LC0 | No information available |
| EC50 | No information available |
| EC0 | No information available |

Acute (short-term) aquatic invertebrate toxicity

| | |
|-------------|--------------------------|
| EC50 | No information available |
| EC0 | No information available |

Chronic (long-term) algae toxicity

| | |
|-------------|--------------------------|
| NOEC | No information available |
|-------------|--------------------------|

LOEC No information available

Chronic (long-term) fish toxicity

NOEC No information available

LOEC No information available

Chronic (long-term) aquatic invertebrate toxicity

NOEC No information available

LOEC No information available

Persistence and degradability

Product Information

Biodegradation No information available

BOD No information available

ThCO2 No information available

DOC No information available

Bioaccumulation

Product Information

Bioaccumulation (factor) No information available

Mobility in soil

No information available.

Mobility

No information available.

Other adverse effects

No information available

13. Disposal Considerations

Waste treatment methods

Disposal of wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging Contaminated packages must be completely emptied and can be re-used following proper cleaning. Clean IBCs or drums at approved facility. Packing which cannot be properly cleaned must be disposed of. Handle contaminated packages in the same way as the substance itself.

14. Transport information

DOT Not regulated

TDG Not regulated

MEX Not regulated

IMDG Not regulated

IATA Not regulated

15. Regulatory Information

International Inventories

All of the components in the product are on the following Inventory lists: TSCA (United States), Europe (EINECS/ELINCS/NLP), Australia (AICS), Canada (DSL/NDSL), China (IECSC), ENCS (Japan), South Korea (KECL), Philippines (PICCS), NZIoC - New Zealand Inventory of Chemicals.

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

| | |
|-----------------------------------|----|
| Acute Health Hazard | No |
| Chronic Health Hazard | No |
| Fire Hazard | No |
| Sudden release of pressure hazard | No |
| Reactive Hazard | No |

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

U.S. EPA Label information

EPA Pesticide registration number Not applicable

16. Other Information

| | | | | |
|-------------|------------------|----------------|--------------------|--|
| <u>NFPA</u> | Health Hazards 0 | flammability 1 | Instability 0 | Physical and chemical properties - PERSONAL PROTECTION X |
| <u>HMIS</u> | Health Hazards 0 | flammability 1 | Physical Hazards 0 | |

Revision note

No information available

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet