

SAFETY DATA SHEET

DIMETHYL SILICONE FLUID 100,000 CS

Version: 1.2	Revision Date: 02/2020	MSDS Number: GHS – 30056-57-DSF-100KCS	Date Completed: 02/2020
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SECTION 1. IDENTIFICATION

Product Name:	Dimethyl Silicone Fluid 100,000cs (centistokes)
Manufacturer or supplier's details	
Company name of supplier:	JIT Silicones Plus
Address:	5 Industrial Park Drive Oakdale, PA 15071
Telephone:	855-548-7587
Emergency Telephone:	24 Hour Emergency Telephone: CHEMTREC: (800) 424-9300
Recommended use of the chemical and restrictions on use	
Recommended use:	Process regulators, other than polymerization or vulcanization Processes Intermediate Cosmetics Lubricants and lubricant additives Anti-set off and adhesive agents

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification:	
Not a hazardous substance or mixture.	GHS classification in accordance with 29 CFR 1910.1200
Label elements:	
Precautionary statements	Prevention Avoid breathing spray
Other hazards:	Use only outdoors or in a well-ventilated area
No data available	

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms:	Siloxane, dimethyl
This product is a substance	
Substance name:	Siloxanes and silicones, dimethyl
CAS RN:	63148-62-9
Chemical nature:	Silicone
Hazardous Ingredients:	Contains no hazardous ingredients according to GHS

SECTION 4. FIRST AID MEASURES

Inhalation:	Move person to fresh air and keep comfortable for breathing; consult a physician
Skin contact:	Wash off with plenty of water
Eye contact:	Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several minutes. If effects occur, consult a physician, preferably an ophthalmologist Get medical attention if irritation develops and persists.
If swallowed:	No emergency medical treatment necessary
Most important symptoms and effects, both acute and delayed:	None known.
Most Important symptoms and effects, both acute and delayed:	Aside from the information found under Description of first aid measure (above) and indication of immediate medical attention And special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicology information
Indication of any immediate medical attention and special treatment needed	No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.
Notes to Physician:	

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:	Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media:	None known.

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Special hazards arising from the substance or mixture: Hazardous combustion products:	Exposure to combustion products may be a hazard to health. Carbon oxides Silicon oxides
Unusual Fire and Explosion Hazards:	Exposure to combustion products may be a hazard to health.
Advice for firefighters	Fire Fighting Procedures: Use water spray to cool unopened containers. Evacuate area. Fire residues and contaminated extinguishing water must be disposed of in accordance with local regulations. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Remove undamaged containers from the fire area if it is safe to do so. Special protective equipment for firefighters: Wear self-contained breathing apparatus for firefighting if necessary. Use personal protective equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	Follow safe handling advice and personal protective equipment recommendations.
Environmental precautions:	Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area (e.g., by containment or oil barriers). Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for containment and cleaning up:	Soak up with inert absorbent material. For large spills, provide diking or other appropriate containment to keep materials from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements. See sections: 7, 8, 11, 12 and 13.

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SECTION 7. HANDLING AND STORAGE

Precautions for safe handling:	Avoid inhalation of vapor or mist. Take care to prevent spills, waste and minimize release to the environment. Handle in accordance with good industrial hygiene and safety practice.
Ventilation:	Use only with adequate ventilation. See engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
Conditions for safe storage:	Keep in properly labeled containers. Store in accordance with the particular national regulations.
Materials to avoid:	Do not store with the following product types: Strong oxidizing agents. Unsuitable materials for containers: None known.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

If exposure limits exist, they are listed below. If no exposure limits are displayed, then no values are applicable

Exposure controls

Engineering Controls:

Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.

Individual protection measures

Eye/face protection:

Use safety glasses (with side shields)

Skin protection:

Hand protection: Use gloves chemically resistant to the material when prolonged or frequently repeated contact could occur. Examples of preferred glove barrier materials include: Butyl Rubber, Neoprene. Nitrile/butadiene rubber (“nitrile” or “NBR”). Ethyl vinyl alcohol laminate (“EVAL”). Polyvinyl alcohol (“PVA”). Polyvinyl chloride (“PVC” or “vinyl”). Viton. Examples of acceptable glove barrier materials include: Natural rubber (“latex”). NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well

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Other protection:	as the instructions/specifications provided by the glove supplier.
Respiratory protection:	Wear clean, body-covering clothing. Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements of guidelines, wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or where indicated by your risk assessment process. For most conditions, no respiratory protection should be needed; however, if material is heated or sprayed, use an approved air-purifying respirator. The following should be effective types of air-purifying respirators: Organic vapor cartridge with a particulate pre-filter.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Viscous Liquid
Color:	Colorless
Odor:	Characteristic
Odor Threshold:	No data available
pH:	No data available
Melting Point/freezing Point::	No data available
Boiling point (760 mm HG):	> 65° C (>149°F)
Flash point:	321.11° C (610°F) Method: closed cup
Evaporation rate:	No data available
Flammability:	(Solid, Gas - Not applicable); Liquids – Ignitable (see flash point)
Upper Explosion limit:	No data available
Lower Explosion limit:	No data available
Vapor pressure:	No data available
Relative vapor density:	No data available

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Relative density:	0.97
Solubility(ies):	
Water solubility:	No data available
Partition coefficient: n-octanol/water:	No data available
Auto-ignition Temperature:	No data available
Decomposition temperature:	No data available
Viscosity	
Viscosity, kinematic	100,000 cSt at 25°C (77°F)
Explosive properties:	Not explosive
Oxidizing properties:	The substance or mixture is not classified as oxidizing.
Molecular weight:	No data available
NOTE:	The physical data presented above are typical values and should not be construed as a specification

SECTION 10. STABILITY AND REACTIVITY

Reactivity:	Not classified as a reactivity hazard.
Chemical Stability:	Stable under normal conditions.
Possibility of hazardous reactions:	Can react with strong oxidizing agents. When heated to temperatures above 150° C (300° F) in the presence of air, trace quantities of formaldehyde may be released. Adequate ventilation is required.
Conditions to avoid:	None known.
Incompatible materials:	Oxidizing agents.
Hazardous decomposition products:	
Thermal decomposition:	Can include and are not limited to: Formaldehyde

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:
Inhalation, Eye contact, Skin contact, Ingestion

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Acute toxicity:

(represents short term exposures with immediate effects – no chronic/delayed effects known unless otherwise noted)

Product:**Acute oral toxicity:**

Very low toxicity if swallowed. Harmful effects not anticipated from swallowing small amounts.
Typical for this family of materials.
LD50 (Rat): > 15,400 mg/kg

Acute dermal toxicity:

Prolonged skin contact is unlikely to result in absorption of harmful amounts.
Typical for this family of materials.
LD50 (Rabbit): > 2,000 mg/kg No deaths occurred at this concentration

Acute inhalation toxicity:

Brief exposure (minutes) is not likely to cause adverse effects. Vapor from heated material or mist may cause respiratory irritation

Skin corrosion/irritation

The LC50 has not been determined.
Based on product testing: Brief contact is essentially nonirritating to skin.

Serious eye damage/eye irritation

Based on product testing: Brief contact is essentially nonirritating to eyes.

Sensitization

Skin sensitization: For this family of materials, sensitization studies done in guinea pigs have been negative.

Respiratory sensitization: No relevant data found.

Specific Target Organ Systemic Toxicity (Single Exposure)

Evaluation of available data suggests that this material is not an STOT-SE toxicant.

Aspiration Hazard

Based on physical properties, not likely to be an aspiration hazard.

Chronic toxicity (represents longer term exposures with repeated dose resulting in chronic/delayed effects – no immediate effects known unless otherwise noted)**Specific Target Organ Systemic Toxicity (Repeated Exposure)**

Based on available data, repeated exposures are not anticipated to cause significant adverse effects.

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Carcinogenicity

For this family of materials: Did not cause cancer in long-term animal studies which used routes of exposure considered relevant to industrial handling. Positive results have been reported in other studies using routes of exposure not relevant to industrial handling.

Teratogenicity

For this family of materials: Did not cause birth defects or any other fetal effects in laboratory animals.

Reproductive toxicity

For this family of materials: In animal studies, did not interfere with reproduction.

Mutagenicity

For this family of materials: In vitro genetic studies were negative.

SECTION 12. ECOLOGICAL INFORMATION

Additional information appears in this section when such data is available.

Product:

Acute toxicity to aquatic invertebrates:

Material is practically non-toxic to aquatic organisms on an acute basis (LC50 350/EC50/EL50/LL50 >100mg/L in the most sensitive species tested)
For this family of materials: EC50, Daphnia magna (Water flea), 48 Hour, >200mg/l

Biodegradability

None.

Volatility potential

None.

None.

Other effects

None.

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SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Resource Conservation and Recovery Act (RCRA):

DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. AS YOUR SUPPLIER, WE HAVE NO CONTROL OVER THE MANAGEMENT PRACTICES OR MANUFACTURING PROCESSES OF PARTIES HANDLING OR USING THIS MATERIAL. THE INTENDED CONDITION AS DESCRIBED IN SDS SECTION: Composition Information. FOR UNUSED & UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed, permitted: Incinerator or other thermal destructive device. For additional information, refer to Handling & Storage Information, SDS Section 7 - Stability & Reactivity Information, SDS Section 10 -- Regulatory Information, SDS Section 15.

Treatment and disposal methods of used packaging:

Empty containers should be recycled or otherwise disposed of by an approved waste management facility. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. Do not re-use containers for any purpose.
Dispose of as unused product.
Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14. TRANSPORT INFORMATION

DOT Not regulated for transport

Classification for SEA transport (KMO-IMDG) Not regulated for transport

Transport in bulk according to Annex I or II of MARPOL 73/78 and the IBC or IGC Code
Consult IMO regulations before transporting ocean bulk

Classification for AIR transport (IATA/ICAO): Not regulated for transport.

This information is not intended to convey all specific regulatory or operational

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requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through and authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

SECTION 15. REGULATORY INFORMATION

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Sections 311 and 312

SARA 311/312 Hazards: No SARA Hazards.

SARA 313 The material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313

Pennsylvania Right To Know

Siloxanes and silicones, dimethyl 63148-62-9 90 – 100 %

California Prop. 65

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

United States TSCA Inventory (TSCA)

All components of this product are in compliance with the inventory listing requirements of the U.S> Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

SECTION 16. OTHER INFORMATION

Hazard Rating System

NFPA:

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HEALTH	0
FLAMMABILITY	1
PHYSICAL HAZARD	0

HMIS:

Health	Flammability	Instability
0	1	0

Revision Date:

06/04/2015

Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardization; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECS - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organization for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not

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be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.