

**Product Name** Silaplane FM-0425  
**Revision date** 27-May-2022  
**Version** 1

**(M)SDS Number** PPN-EM-00018CH

## 1. Identification

### Product identifier

**Product Name** Silaplane FM-0425  
**Chemical name** Siloxanes and Silicones, di-Me, Bu group- and 3-(2-hydroxyethoxy)alkyl group-terminated  
**English chemical name** Siloxanes and Silicones, di-Me, Bu group- and 3-(2-hydroxyethoxy)alkyl group-terminated

### Other means of identification

**(M)SDS Number** PPN-EM-00018CH  
**Safety data sheet number** CPS-E-2005M  
**Pure substance/mixture** Substance

### Details of the supplier of the safety data sheet

#### **Manufacturer**

JNC CORPORATION,  
Shin Otemachi Bldg.,2-1,Otemachi 2-Chome,Chiyoda-ku,Tokyo 100-8105 Japan  
TEL:+81-3-3243-6190 Fax:+81-3243-6069

#### **Importer**

JNC (SHANGHAI) CO., LTD.  
Shanghai,Yan'anWestRoad,No.728,HuaminEmpirePlazaT,Room 5J-1  
TEL :+86-21-6466-1919  
FAX :+86-21-6466-8927

**E-mail address** silicon@jnc-corp.co.jp

### Emergency telephone number

**Emergency Telephone** +81-3-3243-6190  
**Emergency telephone number** 0532-83889090

### Recommended use of the chemical and restrictions on use

**Recommended Use** Resin modifier

**Restrictions on use** Please do not use for medical applications.

## 2. Hazard(s) identification

### **Emergency Overview**

No significant adverse health effects

**Appearance** Liquid **Physical state** Liquid **Odor** Odorless

**Classification of the substance or mixture**

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)

**hazard statements**

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)

**Physical and chemical hazards**

Not applicable.

**Health hazards**

Immediate Health Effects: Not applicable.

Chronic effects: Not applicable.

**Environmental hazards**

Not applicable

**Other hazards which do not result in classification**

Not applicable

### 3. Composition/information on Ingredients

**Substance**

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)

Chemical name	Weight-%	CAS No	IECSC	The Environmental Administration Registration of New Chemical Substances
Siloxanes and Silicones, di-Me, Bu group- and 3-(2-hydroxyethoxy)propyl group-terminated	100	207308-30-3		B1B221212335

### 4. First-aid measures

**Description of necessary first aid measures**

**Inhalation**

Remove to fresh air. IF exposed or concerned: Get medical advice/attention.

**IF Eye contact :**

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.  
Consult a physician.

**Skin contact**

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin  
with water/shower. Seek immediate medical attention/advice.

**Ingestion**

Rinse mouth thoroughly with water. Get medical attention.

**Most important symptoms/effects,  
acute and delayed**

No information available.

**For emergency responders**

See section 8 for more information.

**Note to physicians**

Treat symptomatically.

## 5. Fire-fighting measures

### Extinguishing media

**Suitable Extinguishing Media** Dry chemical, CO2, water spray or regular foam.

**Unsuitable extinguishing media** Do not use straight streams. Do not scatter spilled material with high pressure water streams.

**Specific hazards arising from the chemical** No information available.

Hazardous combustion products Silicon dioxide.

**Special protective actions for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Ensure adequate ventilation.

**For emergency responders** Use personal protection recommended in Section 8.

**Environmental precautions** See Section 12 for additional Ecological Information.

**Methods and material for containment and cleaning up** Prevent further leakage or spillage if safe to do so. Pick up and transfer to properly labeled containers.

**Precautions to prevent secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

## 7. Handling and Storage

**Precautions for safe handling** Handle in accordance with good industrial hygiene and safety practice. See Section 8 for information on appropriate personal protective equipment.

**Conditions for safe storage, including any incompatibilities** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible materials** Strong oxidizing agents, strong acids, and strong bases.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational exposure limits

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

**Note** See section 16 for terms and abbreviations

### Biological occupational exposure limits

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies

### Monitoring and observation processes

No applicable information was found.

### Engineering controls

Showers  
Eyewash stations  
Ventilation systems.

### Individual protection measures, such as personal protective equipment

Eye/face protection	Goggles. Wear safety glasses with side shields (or goggles).
Skin and body protection	Long sleeved clothing. Protective shoes or boots. Wear suitable protective clothing.
Hand protection	Protective gloves. Wear suitable protective gloves.
Respiratory protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Appearance	Liquid
Color	colorless ~ Transparent pale yellow
Physical state	Liquid
Odor	Odorless
Odor threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No data available	
Melting point / freezing point	No data available	
Initial boiling point and boiling range	No data available	
Flash point	340 °C	Cleveland Open Cup
Evaporation rate	No data available	
Flammability	No data available	
Flammability Limit in Air		
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapor pressure	No data available	
Relative vapor density	No data available	
Relative density	0.97(25°C)	
Water solubility	Insoluble in water	
Solubility(ies)	No data available	
Partition coefficient	No data available	
Autoignition temperature	No data available	
Decomposition temperature	No data available	
Kinematic viscosity	No data available	
Dynamic viscosity	200mm <sup>2</sup> /s	@ 25 °C

### Additional information

Explosive properties	No information available
Oxidizing properties	No information available
Refractive Index	1.405 (nD25)

## 10. STABILITY AND REACTIVITY

**Stability** Stable under normal conditions.

**Possibility of hazardous reactions** It is stable under general handling and storage conditions (40 ° C or less, under atmospheric pressure).

**Sensitivity to Mechanical Impact** no data available.

**Sensitivity to Static Discharge** no data available.

**Conditions to avoid** Heat, flames and sparks. Incompatible materials.

**Incompatible materials** Strong oxidizing agents, strong acids, and strong bases.

**Hazardous decomposition products** Silicon dioxide, nitrogen oxides and the like may be generated by combustion or thermal decomposition.

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity**

**Numerical measures of toxicity**

No information available

**Oral LD50** > 5000 mg/kg (rat)

**Skin corrosion/irritation** No information available.

Siloxanes and Silicones, di-Me, Bu group- and 3-(2-hydroxyethoxy)propyl group-terminated (207308-30-3)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 404: Acute Dermal Irritation/Corrosion	Rabbit	Dermal			

**Serious eye damage/eye irritation** No information available.

Siloxanes and Silicones, di-Me, Bu group- and 3-(2-hydroxyethoxy)propyl group-terminated (207308-30-3)

Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 405: Acute Eye Irritation/Corrosion	Rabbit	eye			

**Respiratory or skin sensitization** No information available.

**Germ cell mutagenicity** No information available.

**Carcinogenicity** No information available.

**Reproductive toxicity** No information available.

**Specific target organ toxicity (single exposure)** No information available.

**Specific target organ toxicity (repeated exposure)** No information available.

**Aspiration hazard** No information available.

## 12. ECOLOGICAL INFORMATION

<b><u>Ecotoxicity</u></b>	The environmental impact of this product has not been fully investigated.
<b><u>Persistence and degradability</u></b>	No information available.
<b><u>Bioaccumulative potential</u></b>	No information available.
<b><u>Mobility in soil</u></b>	No information available.

## 13. DISPOSAL CONSIDERATIONS

<b><u>Waste chemicals</u></b>	Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
<b><u>Contaminated packaging</u></b>	Empty remaining contents. Dispose of contents/containers in accordance with local regulations.

## 14. TRANSPORT INFORMATION

<b><u>IMDG</u></b>	Not regulated
<b><u>IATA</u></b>	Not regulated

### **Special precautions for user**

Carry protective gear and fire extinguishers. Check the container for leaks prior to shipping loading; ensure a smooth, safe load to prevent the container from slipping, falling, and damaging. Appropriate measures should be taken during transportation to prevent damage to the container. Prevent exposure, rain, and high temperatures. It must not be mixed with acids and bases, and there should be no residue of the incompatible materials in the container. Although not classified as dangerous goods, it is best to comply with ICAO, IMDG, RID, ADR, and ADN regulations.

## 15. Regulatory Information

### **Safety, health and environmental regulations/legislation specific for the substance or mixture**

#### **National Regulations**

**The following laws, regulations and standards in China have made corresponding provisions on the safe use, storage, transportation, handling, classification and marking of chemicals:**

Series of standards for chemical classification and labeling (GB 30000.2-2013 to GB30000.29-2013).  
Regulations on the Safety Management of Hazardous Chemicals (Order No. 591 of the State Council).

Inventory of hazardous chemicals	Not included
List of Dangerous Goods	Included
IECSC	Not included
Inventory of highly toxic goods	Not included
Hazardous chemicals liable to produce explosives	Not included
Classification and Category Inventory of Precursor Chemicals	Not included
List of hazardous chemicals under priority management	Not included
Law of the People's Republic of China on Prevention and Control of	Not applicable

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**(M)SDS Number**

PPN-EM-00018CH

Occupational Diseases

## 16. Other Information

**Prepared By** JNC Corporation

**Revision date** 27-May-2022

**Revision Note** 1

### Abbreviations and acronyms

Legend Section 8: Exposure controls/personal protection

TWA TWA (time-weighted average) STEL STEL (Short Term Exposure Limit)

### Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)  
U.S. Environmental Protection Agency ChemView Database  
European Food Safety Authority (EFSA)  
EPA (Environmental Protection Agency)  
Acute Exposure Guideline Level(s) (AEGl(s))  
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
U.S. Environmental Protection Agency High Production Volume Chemicals  
Food Research Journal  
Hazardous Substance Database  
International Uniform Chemical Information Database (IUCLID)  
Japan GHS Classification  
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
NIOSH (National Institute for Occupational Safety and Health)  
National Library of Medicine's ChemID Plus (NLM CIP)  
National Library of Medicine's PubMed database (NLM PUBMED)  
National Toxicology Program (NTP)  
New Zealand's Chemical Classification and Information Database (CCID)  
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
Organization for Economic Co-operation and Development Screening Information Data Set  
RTECS (Registry of Toxic Effects of Chemical Substances)  
World Health Organization

### Disclaimer

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 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**