

Product Name Silaplane FM-0411P
Revision date 29-Oct-2021
Issuing Date 06-May-2019

(M)SDS Number PPN-EM-00016CH
Version 2

1. Identification

Product identifier

Product Name Silaplane FM-0411P
Chemical name Polydimethylsiloxane, .alpha.-Buthyl-[.omega.-(2,2-dihydroxymethylbutoxy)propyl]
English chemical name Siloxanes and Silicones, di-Me, Bu group- and 3-(2-hydroxyethoxy)propyl group-terminated

Other means of identification

(M)SDS Number PPN-EM-00016CH
Safety data sheet number CPS-E-2003M

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

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

Irritating to eyes

Appearance No information available **Physical state** Liquid **Odor** Odorless

Classification of the substance or mixture

Acute toxicity - Oral	Category 5
Serious eye damage/eye irritation	Category 2



Signal word

Warning

hazard statements

May be harmful if swallowed
Causes serious eye irritation

Precautionary statements

Prevention

Wash face, hands and any exposed skin thoroughly after handling
Wear eye/face protection

Response

Call a POISON CENTER or doctor if you feel unwell
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention

Physical and chemical hazards

Not applicable.

Health hazards

Immediate Health Effects: If large quantities of this material are swallowed, call a physician immediately. If symptoms persist, call a physician. Causes severe irritation (tears, blurred vision and redness). Irritating, but will not permanently injure eye tissue.
Chronic effects: Not applicable.

Environmental hazards

Not applicable

Other hazards which do not result in classification

Not applicable

3. Composition/information on ingredients

Substance

Chemical name	Weight-%	CAS RN®	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

General advice	Show this safety data sheet to the doctor in attendance.
Inhalation	Remove to fresh air.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.
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	Never give anything by mouth to an unconscious person. Rinse mouth thoroughly with water. Do NOT induce vomiting. Call a physician.
<u>Most important symptoms/effects, acute and delayed</u>	Burning sensation.
<u>For emergency responders</u>	Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).
<u>Note to physicians</u>	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.
<u>Specific hazards arising from the chemical</u>	No information available.
<u>Special protective actions for fire-fighters</u>	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	Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.
Other Information	Refer to protective measures listed in Sections 7 and 8.
For emergency responders	Use personal protection recommended in Section 8.
<u>Environmental precautions</u>	See Section 12 for additional Ecological Information.
<u>Methods and material for containment and cleaning up</u>	Prevent further leakage or spillage if safe to do so. Pick up and transfer to properly labeled containers.
<u>Precautions to prevent secondary hazards</u>	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. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. 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

Acids. Alkali.

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

If splashes are likely to occur, wear safety glasses with side-shields.

Skin and body protection

Long sleeved clothing. Apron. Antistatic boots. Wear suitable protective clothing.

Hand protection

Impervious 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

Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance

Color

clear 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	249 °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	1>(Air=1)	
Relative density	0.96(25°C)	
Water solubility	no data available	
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	17mm ² /S	@ 25 °C
<u>Additional information</u>		
Explosive properties	No information available	
Oxidizing properties	No information available	
Molecular weight	1000	

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 Not available.

Sensitivity to Static Discharge May be ignited by heat, sparks or flames.

Conditions to avoid Heat, flames and sparks. Protect from moisture. static discharge (electrostatic discharge).

Incompatible materials Acids. Alkali.

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

> 5000 mg/kg (rat)

Skin corrosion/irritation May cause skin irritation.

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

Serious eye damage/eye irritation Classification based on data available for ingredients. Irritating to eyes.

Method	Species	Exposure route	Effective dose	Exposure time	Results
	Rabbit	Eye			Mild eye irritation
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			Mild eye irritation

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

Ecotoxicity The environmental impact of this product has not been fully investigated.

Persistence and degradability No information available.

Bioaccumulative potential No information available.

Mobility in soil No information available.

13. Disposal considerations

Waste chemicals Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Empty remaining contents. Dispose of contents/containers in accordance with local

regulations.

14. Transport information

IMDG	Not regulated
Marine pollutant	Not applicable
IATA	Not regulated
Marine pollutant	Not applicable

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	Not 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 Occupational Diseases	Not applicable

16. Other information

Issuing Date	06-May-2019
Revision date	29-Oct-2021
Revision Note	1

Abbreviations and acronyms

Legend Section 8: Exposure controls/personal protection

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

Product Name Silaplane FM-0411P
Revision date 29-Oct-2021

(M)SDS Number

PPN-EM-00016CH

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