

SAFETY DATA SHEET

1. Identification

Product identifier: BLUESIL FLD 47V50

Other means of identification

Synonyms: RHODORSIL HUILE 47 V 50

Additional identification:

Chemical name: Siloxanes and Silicones, di-Me
CAS-No.: 63148-62-9

Recommended use and restriction on use

Recommended use: Lubricant

Restrictions on use: None known.

Manufacturer/Importer/Supplier/Distributor Information

Supplier

Company Name: Bluestar Silicones USA Corp.
Address: Two Tower Blvd, Suite 1601
08816-1100 East Brunswick, NJ
Telephone: +1 (732) 227-2060
Fax: +1 (732) 249-7000

Emergency telephone number: +1 (800) 424-9300 CHEMTREC

2. Hazard(s) identification

Hazard Classification

Not a hazardous substance or mixture according to GHS.

Label Elements

Hazard Symbol: No symbol

Signal Word: No signal word.

Hazard Statement: Not applicable

Precautionary Statement

Prevention: Not applicable

Response: Not applicable

Storage: Not applicable

Disposal: Not applicable

Other hazards which do not result in GHS classification: No data available.

3. Composition/information on ingredients

Substances**General information:**

INDEX No.: -
CAS-No.: 63148-62-9
EC No.: -
REACH Registration No.:
Purity:
Synonyms: -

4. First-aid measures

General information: For further information refer to section 8 "Exposure-controls/personal protection".

Ingestion: Do not induce vomiting. Rinse mouth thoroughly. Get medical attention if symptoms occur.

Inhalation: Under normal conditions of intended use, this material is not expected to be an inhalation hazard.

Skin Contact: Immediately wipe excess material off skin with a dry cloth; then wash skin with plenty of soap and water. Seek medical attention if irritation develops or persists.

Eye contact: In case of contact, immediately absorb excess with clean absorbent cloth or cotton. Then, hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Seek medical attention if irritation develops or persists or if visual changes occur.

Most important symptoms/effects, acute and delayed

Symptoms: None known.

Hazards: No specific recommendations.

Indication of immediate medical attention and special treatment needed

Treatment: No specific recommendations.

5. Fire-fighting measures

General Fire Hazards: No specific recommendations.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Dry chemical, alcohol resistant foam or carbon dioxide (CO₂).

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical: Product will burn under fire conditions. Hazardous Decomposition Products : formaldehyde, oxides of carbon and silica.

Special protective equipment and precautions for firefighters

| | |
|--|---|
| Special fire fighting procedures: | Water spray should be used to cool containers. |
| Special protective equipment for fire-fighters: | Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Use water to keep fire exposed containers cool and disperse vapors. |

6. Accidental release measures

| | |
|---|--|
| Personal precautions, protective equipment and emergency procedures: | Use personal protective equipment. See Section 8 of the MSDS for Personal Protective Equipment. |
| Methods and material for containment and cleaning up: | Absorb with inert material. Scrape up and place in appropriate closed container see Section 7 of the MSDS. |
| Notification Procedures: | Caution: Contaminated surfaces may be slippery. For waste disposal, see section 13 of the MSDS. |
| Environmental Precautions: | Do not allow to enter drains, sewers or watercourses. |

7. Handling and storage

| | |
|--|--|
| Precautions for safe handling: | See Section 8 of the MSDS for Personal Protective Equipment. For further information, refer to Section 10: "Stability and Reactivity". |
| Conditions for safe storage, including any incompatibilities: | Store in tightly closed original container in a dry, cool and well-ventilated place. |

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

None of the components have assigned exposure limits.

| | |
|---|------------------------------|
| Appropriate Engineering Controls | No specific recommendations. |
|---|------------------------------|

Individual protection measures, such as personal protective equipment

| | |
|--------------------------------|---|
| General information: | Provide sufficient ventilation during operations which cause vapor formation. This product can form formaldehyde vapors when heated to temperatures above 150 degrees C in the presence of air. |
| Eye/face protection: | Wear approved safety glasses. |
| Skin Protection | |
| Hand Protection: | Protective gloves are recommended. |
| Other: | Wear suitable protective clothing. |
| Respiratory Protection: | No protection is ordinarily required under normal conditions of use and with adequate ventilation. |

Hygiene measures: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance

| | |
|---|---|
| Physical state: | Liquid |
| Form: | Viscous. |
| Color: | Colorless |
| Odor: | Odorless |
| Odor threshold: | No data available. |
| pH: | Not applicable |
| Melting point/freezing point: | -67 °F (-55 °C) Approximate |
| International Inventories: | No data available. |
| Flash Point: | 536 °F (280 °C) (Closed cup according to method Afnor T 60103.) |
| Evaporation rate: | No data available. |
| Flammability (solid, gas): | No data available. |
| Flammability limit - upper (%): | No data available. |
| Flammability limit - lower (%): | No data available. |
| Vapor pressure: | < 0.1 hPa (68 °F (20 °C)) |
| Vapor density: | No data available. |
| Relative density: | 0.96 (68 °F (20 °C)) Approximate |
| Solubility(ies) | |
| Solubility in water: | Practically Insoluble |
| Solubility (other): | Acetone.: Very slightly soluble. Ethanol.: Very slightly soluble. Diethylether.: Miscible (in all proportions). Aliphatic hydrocarbons.: Miscible (in all proportions). Aromatic hydrocarbons.: Miscible (in all proportions). Chlorinated solvents.: Miscible (in all proportions). |
| Partition coefficient (n-octanol/water): | No data available. |
| Auto-ignition temperature: | > 752 °F (400 °C) |
| Decomposition temperature: | No data available. |
| Viscosity: | 50 mm ² /s (77 °F (25 °C)) |
| Other information | |
| Oxidizing properties: | According to the data on the components Not considered as oxidizing. (evaluation by structure-activity relationship) |

10. Stability and reactivity

| | |
|--|--------------------|
| Reactivity: | No data available. |
| Chemical Stability: | Stable |
| Possibility of Hazardous Reactions: | Will not occur. |
| Conditions to Avoid: | None known. |

| | |
|--|--|
| Incompatible Materials: | Strong oxidizers, strong acids, and strong bases. |
| Hazardous Decomposition Products: | Thermal decomposition may liberate dimethylcyclosiloxanes. This product can form formaldehyde vapors when heated to temperatures above 150 degrees C in the presence of air. |

11. Toxicological information

Information on likely routes of exposure

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

Symptoms related to the physical, chemical and toxicological characteristics

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

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

| | |
|-------------------|--------------------------|
| Oral | |
| Product: | LD 50 (Rat): 5,000 mg/kg |
| Dermal | |
| Product: | LD 50 (Rat): 2,000 mg/kg |
| Inhalation | |
| Product: | No data available. |

| | |
|-------------------------------|--------------------|
| Repeated Dose Toxicity | |
| Product: | No data available. |

| | |
|----------------------------------|--------------------|
| Skin Corrosion/Irritation | |
| Product: | No data available. |

| | |
|--|--------------------|
| Serious Eye Damage/Eye Irritation | |
| Product: | No data available. |

| | |
|--|------------------------|
| Respiratory or Skin Sensitization | |
| Product: | Not a skin sensitizer. |

| | |
|------------------------|--------------------|
| Carcinogenicity | |
| Product: | No data available. |

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogenic components identified

US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogenic components identified

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

No carcinogenic components identified

Germ Cell Mutagenicity**In vitro****Product:** No effects expected (assessment based on ingredients).**In vivo****Product:** No data available.**Reproductive Toxicity****Product:** No data available.**Specific Target Organ Toxicity - Single Exposure****Product:** No data available.**Specific Target Organ Toxicity - Repeated Exposure****Product:** No data available.**Aspiration Hazard****Product:** No data available.**Other Effects:** No data available.**12. Ecological information****Ecotoxicity:****Acute hazards to the aquatic environment:****Fish****Product:** LC 50 (Fish, 96 h): Not considered toxic to fish.**Aquatic Invertebrates****Product:** EC 50 (Sediment Invertebrate, 48 h): Not expected to be harmful to aquatic organisms.**Chronic hazards to the aquatic environment:****Fish****Product:** No data available.**Aquatic Invertebrates****Product:** No data available.

Toxicity to Aquatic Plants

Product: EC 50 (72 h): Not expected to be harmful to aquatic organisms.
NOEC (72 h): Not expected to be harmful to aquatic organisms.

Persistence and Degradability**Biodegradation**

Product: The product is not readily biodegradable.

BOD/COD Ratio

Product: No data available.

Bioaccumulative Potential**Bioconcentration Factor (BCF)**

Product: The product is not bioaccumulating.

Partition Coefficient n-octanol / water (log Kow)

Product: No data available.

Mobility in Soil: No data available.

Known or predicted distribution to environmental compartments

Siloxanes and Silicones, di- Me No data available.

Other Adverse Effects: No data available.

13. Disposal considerations

Disposal instructions: Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

14. Transport information

This material is not subject to transport regulations.

Environmental hazards: Not regulated.

Special precautions for user: No special precautions.

15. Regulatory information**US Federal Regulations****TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

None present or none present in regulated quantities.

Superfund Amendments and Reauthorization Act of 1986 (SARA)**Hazard categories**

Acute (Immediate) Chronic (Delayed) Fire Reactive Pressure Generating

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

None present or none present in regulated quantities.

SARA 313 (TRI Reporting)

None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

None present or none present in regulated quantities.

US State Regulations**US. California Proposition 65**

No ingredient regulated by CA Prop 65 present.

US. New Jersey Worker and Community Right-to-Know Act

No ingredient regulated by NJ Right-to-Know Law present.

US. Massachusetts RTK - Substance List

No ingredient regulated by MA Right-to-Know Law present.

US. Pennsylvania RTK - Hazardous Substances

No ingredient regulated by PA Right-to-Know Law present.

US. Rhode Island RTK

No ingredient regulated by RI Right-to-Know Law present.

Inventory Status:

| | |
|--|--|
| Australia AICS: | On or in compliance with the inventory |
| Canada DSL Inventory List: | On or in compliance with the inventory |
| EINECS, ELINCS or NLP: | On or in compliance with the inventory |
| Japan (ENCS) List: | On or in compliance with the inventory |
| China Inv. Existing Chemical Substances: | On or in compliance with the inventory |
| Korea Existing Chemicals Inv. (KECI): | On or in compliance with the inventory |
| Philippines PICCS: | On or in compliance with the inventory |
| US TSCA Inventory: | On or in compliance with the inventory |
| New Zealand Inventory of Chemicals: | On or in compliance with the inventory |

16. Other information, including date of preparation or last revision

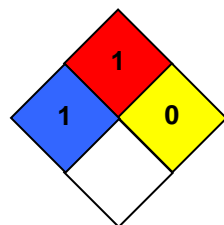
HMIS Hazard ID

| | |
|----------------------------|----------|
| Health | 1 |
| Flammability | 1 |
| Physical Hazards | 0 |
| PERSONAL PROTECTION | B |

B - Safety Glasses & Gloves

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; *Chronic health effect

NFPA Hazard ID



Flammability
 Health
 Reactivity
 Special hazard.

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

Issue Date: 05/06/2015

Revision Date: No data available.

Version #: 9.0

SDS_US

Further Information:

No data available.

Disclaimer:

The information given is based on data available for the material, the components of the material, and similar materials. The information is believed to be correct. It is given in good faith. This information should be used to make an independent determination of the methods to safeguard workers and the environment.