



# Safety Data Sheet

## SPI-500

### 1. Identification

#### Product identifier

Product name SPI-500

#### Other means of identification

Synonyms None

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

Recommended use Lubricant

Restrictions on use No information available

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

##### Supplier

Silicones Plus, Inc.  
326 Exchange Drive  
Arlington, TX 76011  
T 817-469-7777  
[siliconesplus.com](http://siliconesplus.com)

#### Emergency telephone number

Emergency telephone Chemtrec 1-800-424-9300

### 2. Hazards Identification

#### Classification



Acute Aquatic Toxicity

Category 3

#### Hazards not otherwise classified (HNOC)

Not applicable

#### Label elements

Hazard Symbols See above  
Signal Words Warning

#### **Hazard Statements**

H320 Causes eye irritation.  
H402 Avoid release to the environment.

**Precautionary Statements - Prevention**

P264 Wash hands thoroughly after handling  
 P273 Avoid release to the environment

**Precautionary Statements - Response**

P305+ P351+ P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P337+ P313 If eye irritation persists: Get medical advice/attention.

**Precautionary Statements - Storage**

Not applicable

**Precautionary Statements - Disposal**

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**OTHER INFORMATION**

May be harmful if swallowed. Harmful to aquatic life with long lasting effects.

**3. Composition/information on ingredients****Substance**

Not applicable.

**Mixture**

Chemical name	CAS No	Weight-%	Trade secret
Siloxanes and Silicones, di-Me	63148-62-9	95 ~ 100	*

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

**4. First aid measures****Description of first aid measures**

**General advice** No information provided

**Inhalation** When exposed to large amounts of steam and mist, move to fresh air. Take specific treatment if needed.

**Eye contact** Do not rub your eyes. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing.

**Skin contact** Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash contaminated clothing thoroughly before re-using.

**Ingestion** Please be advised by doctor whether induction of vomit is demanded or not. Rinse your mouth with water immediately.

**Self-protection of the first aider** See section 8 for more information. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Use personal protective equipment as required.

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

**Symptoms** No additional information provided.

## **Indication of any immediate medical attention and special treatment needed**

**Note to physicians** No additional information provided.

## **5. Fire-fighting measures**

**Suitable Extinguishing Media** Dry chemical. Carbon dioxide (CO<sub>2</sub>). Regular foam extinguishing agent. Water spray.

**Unsuitable extinguishing media** Avoid use of water jet for extinguishing.

**Specific hazards arising from the chemical** Not available

**Explosion Data**

**Sensitivity to mechanical impact** None.

**Sensitivity to static discharge** No information available

**Special protective equipment for fire-fighters** In case of conflagration, use automatic fire sprinkler. Major fire may require withdrawal, allowing the object itself to burn. Do not approach the tank surrounded by fire until it is extinguished. Use appropriate extinguishing measure suitable for surrounding fire. Wear appropriate protective equipment. Keep containers cool with water spray. Vapor or gas is burned at distinct ignition sources can be spread quickly.

## **6. Accidental release measures**

### **Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Ventilate closed spaces before entering. Do not touch spilled material. Stop leak if you can do so without risk. Move container to safe area from the leak area. Remove all sources of ignition. Do not direct water at spill or source of leak.

**Environmental precautions** Prevent runoff and contact with waterways, drains or sewers. If large amounts have been spilled, inform the relevant authorities.

### **Methods and material for containment and cleaning up**

**Methods for containment** Large spill: Stay upwind and keep out of low areas. Dike for later disposal. Notify the central and local governments if the emissions reach the standard threshold. Disposal of waste shall be in compliance with the Waste Control Act. Appropriate container for disposal of spilled material collected.

Small spill: sand or other non-combustible material, please use absorption. Wipe off the solvent. Dike for later disposal.

## 7. Handling and storage

### Precautions for safe handling

#### **Advice on safe handling**

Avoid direct physical contact. Since emptied containers retain product residue (vapor, liquid, solid) follow all MSDS and label warnings even after container is emptied. Avoid contact with incompatible materials. Refer to Engineering Controls and Personal Protective Equipment. Do not inhale the steam prolonged or repeated.

### Conditions for safe storage, including any incompatibilities

#### **Storage Conditions**

Store according to current laws and regulations. Do not apply any physical shock to container. Keep in the original container. Please pay attention to incompatibilities, materials and conditions to avoid. Prevent static electricity and keep away from combustible materials or heat sources.

## 8. Exposure controls/personal protection

### Control parameters

<b>Exposure Limits</b>	ACGIH TLV	Not available
	OSHA PEL	Not available

#### **Biological occupational exposure limits**

This product, as supplied, does not contain any hazardous materials with biological 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 primary eye protection such as splash-resistant safety goggles with a secondary protection face shield.

#### **Hand protection**

Wear suitable gloves.

#### **Skin and body protection**

Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron.

#### **Respiratory protection**

Respiratory protection is ranked in order from minimum to maximum. Consider warning properties before use. Any chemical cartridge respirator with organic vapor cartridge(s). Any chemical cartridge respirator with a full facepiece and organic vapor cartridge(s). Any air-purifying respirator with a full facepiece and an organic vapor canister. For Unknown Concentration or Immediately Dangerous to Life or Health: Any supplied-air respirator with full facepiece and operated in a pressure-demand or other positive-pressure mode in combination with a separate escape supply. Any self-contained breathing apparatus with a full facepiece. Dust, mist, fume-purifying respiratory protection. Under conditions of frequent use or heavy exposure, respiratory protection may be needed. Air-purifying respirator with high-efficiency particulate filtering. Any respiratory protection with an electromotion fan (for dust, mist, or fume-purifying). Self-contained breathing apparatus with a corpuscle filter of high efficiency. Use respiratory protection equipment that is certified by KOSHA, Korea.

#### **General hygiene considerations**

Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is

recommended. Wash hands before breaks and immediately after handling the product.

## 9. Physical and chemical properties

Appearance	Liquid
Color	Colorless
Odor	Odorless
Odor Threshold	Not available
pH	Not available
Melting/Freezing Point	≤50
Initial Boiling Point	
Boiling Point Ranges	182°C
Flash Point	315°C
Evaporation Rate	Not available
Flammability (solid, gas)	Not available
Upper/Lower Flammability	
Or Explosive Limits	Not available
Vapor Pressure	Not available
Solubility	Not available
Vapor Density	Not available
Specific Gravity	0.97
Partition Co-Efficient	
Of n-octanol/water	Not available
Autoignition Temperature	Not available
Decomposition	
Temperature	Not available
Viscosity	10,000 mm <sup>2</sup> /s
Molecular Weight	Not available

## 10. Stability and reactivity

<b>Reactivity</b>	No information available.
<b>Chemical stability</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions</b>	None under normal processing.
<b>Hazardous polymerization</b>	Hazardous polymerization will not occur.
<b>Conditions to avoid</b>	Avoid contact with incompatible materials and conditions. Avoid accumulation of electrostatic charges, heating, flames and hot surfaces.
Incompatible materials	Not available
Hazardous Decomposition Products	May emit flammable vapor if involved in fire.

## 11. Toxicological information

### Information on likely routes of exposure

Inhalation	Not available
Oral	Not available
Eye/Skin	Causes eye irritation

### Delayed and immediate effects and chronic effects from short and long-term exposure

#### Acute Toxicity

Oral	Product (ATEmix): >5000 mg/kg Silicones and Silicones, di-Me: LD50 > 17000 mg/kg Rat (NLM)
Dermal	Product (ATEmix): >5000 mg/kg Silicones and Silicones, di-Me: LD50 > 2000 mg/kg Rat (NLM)
Inhalation	Not available
Skin Corrosion/Irritation	Not available
Serious Eye Damage/ Irritation	Causes eye irritation.
Respiratory Sensitization	Not available
Skin Sensitization	Not available

#### Carcinogenicity

IARC	Not available
OSHA	Not available
ACGIH	Not available
NTP	Not available
EU CLP	Not available

Germ Cell Mutagenicity	Not available
Reproductive Toxicity	Not available
STOT-Single Exposure	Not available
STOT-Repeated Exposure	Not available
Aspiration Hazard	Not available

## 12. Ecological information

<b>Ecotoxicity</b>	Harmful to aquatic life with long lasting effects.
Fish	Siloxanes and Silicones, di-Me: LC50 = 37.79 mg/l 96hr Lepomis macrochirus (ECTOX)
Crustaceans	Siloxanes and Silicones, di-Me: LC50 = 44.5 mg/l 48hr Daphnia magna (ECOTOX)
Algae	Not available
<b>Persistence and Degradability</b>	No information available.
<b>Bioaccumulation</b>	There is no data for this product.
<b>Other Adverse Effects</b>	No information available.

### 13. Disposal considerations

Waste Treatment Methods	Stabilization and minimization treatment by incineration or similar method can be applied, if more than two kinds of designated wastes are in mixture state and it is impractical to separate them. Oil water separation technology shall be applied as pre-waste treatment, if applicable. It shall be treated by incineration.
Contaminated packaging	Do not reuse empty containers.

### 14. Transport Information

#### A. UN No. (IMDG)

- Not applicable

#### B. Proper shipping name

- Not applicable

#### C. Hazard Class

- Not applicable

#### D. IMDG Packing group

- Not applicable

#### E. Marine pollutant

- Not applicable

#### F. Special precautions for user related to transport or transportation measures

- Local transport follows in accordance with Dangerous goods Safety Management Law.
- Package and transport follow in accordance with Department of Transportation (DOT) and other regulatory agency requirements.
- Air transport(IATA): This product is NOT classified as dangerous for IATA Transport.
- EmS FIRE SCHEDULE : Not available
- EmS SPILLAGE SCHEDULE : Not available

### 15. Regulatory information

#### A. National and/or international regulatory information

- POPs Management Law
  - Not applicable
- Information of EU Classification
  - \* Classification
    - Not applicable
- U.S. Federal regulations
  - \* OSHA PROCESS SAFETY (29CFR1910.119)
    - Not applicable
  - \* CERCLA Section 103 (40CFR302.4)
    - Not applicable
  - \* EPCRA Section 302 (40CFR355.30)
    - Not applicable

\* EPCRA Section 304 (40CFR355.40)

- Not applicable

\* EPCRA Section 313 (40CFR372.65)

- Not applicable

o Rotterdam Convention listed ingredients

Stockholm Convention listed ingredients

- Not applicable

o Montreal Protocol listed ingredients

- Not applicable

## 16. Other information



NFPA grade (0-4 level)

Health 1

Flammability 1

Reactivity 0

Issuing Date 22-Jul-2021

Revision date --

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.

