

**SILICONES, INC.**  
**SAFETY DATA SHEET**

**GI-491B**

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**SECTION 1 - IDENTIFICATION**

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Product Name: GI-491B

Company name of supplier: Silicones, Incorporated

Address : P. O. Box 363  
211 Woodbine Street  
High Point, NC 27261

Telephone: 336-886-5018

Emergency telephone: CHEMTREC  
800-424-9300

Recommended use: Industrial mold making. Not for internal or medical use.

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**SECTION 2 - HAZARDS IDENTIFICATION**

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GHS Classification: Not a hazardous substance or mixture



Irritant. Flush eyes with large amounts of water if exposed. See Section 4 for additional information.

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**SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS**

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Substance/Mixture: Mixture

Chemical nature: Silicone elastomer

<u>INGREDIENTS</u>	<u>CAS #</u>	<u>EXPOSURE LIMITS</u>
Polydimethylsiloxane	70131-67-8	Nonhazardous
Silicon dioxide	7631-86-9	Not applicable
Titanium dioxide	13463-67-7	Not applicable
Di(tridecyl) 3,3'-thiodipropionate	10595-72-9	Not applicable

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## **SECTION 4 – FIRST AID MEASURES**

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Skin contact: Wash with soap and water.

Eye Contact: Flush eyes with large quantities of water for at least 15 minutes. Consult a physician.

Ingestion: Consult a physician.

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## **SECTION 5– FIRE-FIGHTING MEASURES**

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Suitable extinguishing media: Water spray, chemical foam, sand, carbon dioxide

Specific hazards: Combustion products may be hazardous.

Hazardous combustion products: carbon monoxide, carbon dioxide, silicon dioxide

Special protective equipment for fire-fighters: Wear self-contained breathing apparatus if necessary, use personal protective equipment.

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## **SECTION 6 – ACCIDENTAL RELEASE MEASURES**

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Steps to be taken in case material is released or spilled: Prevent spills from entering water systems, storm sewers or drains, etc. Cover spill with an absorbent material such as sand or sawdust. Scoop up and place in an appropriately marked container.

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## **SECTION 7 – HANDLING AND STORAGE**

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Handle in accordance with good industrial safety procedures.

Store at temperatures between 32 and 80 °F.

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## **SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION**

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Exposure limits of mixture: not applicable

Use personal protective gear such as rubber gloves, rubber or plastic apron, and eye protection (safety glasses or chemical splash goggles.)

Local ventilation is acceptable. Personal respiratory protective equipment is not normally required.

Do not eat, drink or smoke in work area.

Wash hands after handling product and at end of shift.

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## **SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

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Appearance: White to buff colored liquid.  
Odor: Little to none  
Odor threshold: No data available  
Relative Density: 1.1  
Melting point/freezing point: No data available  
Initial boiling point/boiling range: No data available  
Flammability (solid, gas): Not applicable  
Lower flammability limit: No data available  
Upper flammability limit: No data available  
Flash point: Greater than 210 F  
Auto ignition temperature: No data available  
Decomposition temperature: Greater than 350 F  
Vapor pressure: No data available  
Vapor density: No data available  
pH: Not applicable  
Solubility in water: Negligible  
Partition coefficient, n-octanol/water: No data available  
Evaporation rate: No data available  
Explosive properties: Not explosive  
Oxidizing properties: Not an oxidizing material  
Viscosity: varies

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## **SECTION 10 – STABILITY AND REACTIVITY**

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Reactivity: Not classified as a reactivity hazard.

Stability: Stable under normal ambient conditions.

Other:

Hazardous polymerization: Will not occur

Conditions to avoid: Ground containers during transfer to prevent static discharge.

Incompatible materials: Strong bases

Hazardous decomposition products: Carbon monoxide, carbon dioxide, silicon dioxide

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## **SECTION 11 – TOXICOLOGICAL INFORMATION**

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Information on likely routes of exposure: Skin contact, eye contact, ingestion.

Skin contact: Temporary, reversible mild skin irritation may occur.

Eye contact: Temporary, reversible eye irritation may occur.

Ingestion: Temporary, reversible mild digestive irritation may occur.

Acute toxicity: Not applicable

Carcinogenicity: Not a carcinogen, based on available data.

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## **SECTION 12 – ECOLOGICAL INFORMATION**

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No data available.

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## **SECTION 13 – DISPOSAL CONSIDERATIONS**

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May be incinerated or land-filled under conditions complying with federal, state, and local environmental control regulations.

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## **SECTION 14 – TRANSPORT INFORMATION**

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UNRTDG: Not regulated as a dangerous good.

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## **SECTION 15 – REGULATORY INFORMATION**

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TSCA: All ingredients in this material are included on or exempt from listing on the TSCA Inventory of Chemical Substances.

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## **SECTION 16– OTHER**

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Version: 1.0  
Revision date: 05/24/2016  
Prepared by: DJ

**SILICONES, INC.**  
**SAFETY DATA SHEET**

**GI-491A**

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**SECTION 1 - IDENTIFICATION**

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Product Name: GI-491A

Company name of supplier: Silicones, Incorporated

Address : P. O. Box 363  
211 Woodbine Street  
High Point, NC 27261

Telephone: 336-886-5018

Emergency telephone: CHEMTREC  
800-424-9300

Recommended use: Industrial mold making. Not for internal or medical use.

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**SECTION 2 - HAZARDS IDENTIFICATION**

---

GHS Classification: Not a hazardous substance or mixture



Irritant. Irritating to eyes, skin, and respiratory system. See Section 4 for additional information.

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**SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS**

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<u>INGREDIENTS</u>	<u>CAS #</u>	<u>EXPOSURE LIMITS</u>
Dibutyltin dilaurate	77-58-7	0.1 mg/m <sup>3</sup> as tin
Ethyl silicate	78-10-4	10 ppm
Polymeric ethyl silicate	68412-37-3	Not applicable
Silicon dioxide	7631-86-9	Not applicable
Blue pigment	14038-43-8	Not applicable
Polydimethyl siloxane	63148-62-9	Nonhazardous

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## **SECTION 4 – FIRST AID MEASURES**

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Skin contact: Wash with soap and water.

Eye Contact: Flush eyes with large quantities of water for at least 15 minutes. Consult a physician.

Inhalation: Remove to fresh air.

Ingestion: Consult a physician.

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## **SECTION 5– FIRE-FIGHTING MEASURES**

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Suitable extinguishing media: Water spray, chemical foam, sand, carbon dioxide.

Specific hazards: Combustion products may be hazardous.

Hazardous combustion products: carbon monoxide, carbon dioxide, silicon dioxide, organo-tin compounds.

Special protective equipment for fire-fighters: Wear self-contained breathing apparatus if necessary, use personal protective equipment.

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## **SECTION 6 – ACCIDENTAL RELEASE MEASURES**

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Steps to be taken in case material is released or spilled: Prevent spills from entering water systems, storm sewers or drains, etc. Cover spill with an absorbent material such as sand or sawdust. Scoop up and place in an appropriately marked container.

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## **SECTION 7 – HANDLING AND STORAGE**

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Handle in accordance with good industrial safety procedures.

Store at temperatures between 32 and 80 °F.

Keep containers tightly closed and away from moisture to prevent gelling.

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## **SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION**

---

Exposure limits of mixture: not applicable

Use personal protective gear such as rubber gloves, rubber or plastic apron, and eye protection (safety glasses or chemical splash goggles.)

Local ventilation is acceptable. Personal respiratory protective equipment is not normally required.

Do not eat, drink or smoke in work area.

Wash hands after handling product and at end of shift.

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## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

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Appearance: Dark blue liquid.  
Odor: Slight alcohol-like odor  
Odor threshold: No data available  
Relative Density: 0.99  
Melting point/freezing point: No data available  
Initial boiling point/boiling range: No data available  
Flammability (solid, gas): Not applicable  
Lower flammability limit: No data available  
Upper flammability limit: No data available  
Flash point: 230 °F  
Auto ignition temperature: No data available  
Decomposition temperature: Greater than 350 °F  
Vapor pressure: No data available  
Vapor density: No data available  
pH: Not applicable  
Solubility in water: Negligible  
Partition coefficient, n-octanol/water: No data available  
Evaporation rate: No data available  
Explosive properties: Not explosive  
Oxidizing properties: Not an oxidizing material  
Viscosity: varies

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## SECTION 10 – STABILITY AND REACTIVITY

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Reactivity: Not classified as a reactivity hazard.

Stability: Stable under normal ambient conditions.

Other:

Hazardous polymerization: Will not occur

Conditions to avoid: Ground containers during transfer to prevent static discharge.

Incompatible materials: Strong bases, acids, water.

Hazardous decomposition products: Carbon monoxide, carbon dioxide, silicon dioxide, ethanol, organo-tin compounds.

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## SECTION 11 – TOXICOLOGICAL INFORMATION

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Information on likely routes of exposure: Skin contact, eye contact, ingestion.

Skin contact: Temporary, reversible mild skin irritation may occur.

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Acute toxicity: Not applicable

Carcinogenicity: Not a carcinogen, based on available data.

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## **SECTION 12 – ECOLOGICAL INFORMATION**

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No data available.

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## **SECTION 13 – DISPOSAL CONSIDERATIONS**

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May be incinerated or land-filled under conditions complying with federal, state, and local environmental control regulations.

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## **SECTION 14 – TRANSPORT INFORMATION**

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## **SECTION 16– OTHER**

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