



**INNERBOND Z-61 Silicone Valve Lubricant/Sealant**

**SECTION I – PRODUCT AND COMPANY IDENTIFICATION**

**DATE:** September 18, 2007  
**MANUFACTURER'S NAME:** INLAND, INC.  
**ADDRESS:** P. O. BOX 644 (42702)  
 209 PETERSON DRIVE  
 ELIZABETHTOWN, KY 42701  
**TELEPHONE NUMBER:** 270-737-6757  
**EMERGENCY CONTACT:** CHEMTREC 800-424-9300  
**NFPA = NATIONAL FIRE PROTECTION ASSOCIATION**  
**HEALTH (NFPA):** 1      **FLAMMABILITY (NFPA):** 1      **REACTIVITY (NFPA):** 0  
**CAS NO:** MIXTURE  
**INLAND, INC. WARNING CODE:** NOT USED  
**GENERIC DESCRIPTION:** SILICONE

**SECTION II - HAZARDOUS COMPONENTS**

<u>CAS Number</u>	<u>Substance</u>	<u>Wt. %</u>
	Fumed Silica	<10

The above component is hazardous as defined in 29 CFR 1910.1200.

**SECTION III – HAZARDS IDENTIFICATION**

**Eyes:** Direct contact, or high mist levels in poorly ventilated areas, may cause slight irritation.  
**Skin:** Prolonged or repeated direct exposure to the skin may cause irritation and redness.  
**Inhalation:** This product has low volatility and is not expected to cause respiratory tract irritation during normal conditions of use. Exposure to high mist levels in poorly ventilated areas may cause temporary irritation to the upper respiratory tract.  
**Ingestion:** Ingestion may cause slight stomach irritation and discomfort.  
**Comments:** This product is not listed as a known or suspected carcinogen by IARC, OSHA, or the NTP. There is no known potential for chronic health effects and exposure is not known to aggravate medical conditions.

**SECTION IV - FIRST AID MEASURES**

**Eyes:** Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. If symptoms persist, contact a physician.  
**Skin:** Wipe off and wash with soap and water. Contaminated clothing should be removed to prevent prolonged exposure. Get medical attention if irritation develops. If product is injected under the skin, seek treatment immediately.  
**Inhalation:** Remove to fresh air. Get medical attention if ill effects persist.  
**Oral:** If ingested, dilute stomach contents with two glasses of milk or water. (Do NOT give anything by mouth to an unconscious person.) Do not induce vomiting without medical supervision. If vomiting occurs spontaneously, keep airway clear. If symptoms of ingestion persist, seek medical attention.

## MATERIAL SAFETY DATA SHEET

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### SECTION V - FIRE FIGHTING MEASURES

**Flash Point:** 300°F      **Autoignition:** Not Determined  
**Flammability Limits in Air:** Not Determined      **Unusual Fire and Explosion Hazards:** None

**Extinguishing Media:**

In accordance with NFPA guidance, dry chemical, foam or CO2 fire extinguishers are all acceptable. Note that while water fog extinguishers are also acceptable, do not apply a direct stream of water onto burning product because it may cause spreading and increase fire intensity.

**Special Fire Fighting Procedures:**

Emergency responders in the danger area should wear bunker gear and self-contained breathing apparatus for fires beyond the incipient stage. See Section VIII of the MSDS for other PPE to be worn as conditions warrant.

### SECTION VI - ACCIDENTAL RELEASE MEASURES

If possible, safely contain the spill with dikes or other spill response equipment appropriate for petroleum or organic material releases. Take measures to prevent spreading of product. Note that while product is combustible, it will not readily burn. However, as a precaution eliminate ignition sources. Prevent from entering sewers or waterways. Large volumes may be transferred to an appropriate container for proper disposal. Small volumes or residues may be soaked up with absorbents. Spill response materials should be collected for proper disposal.

### SECTION VII - HANDLING AND STORAGE

As with any industrial chemical, handle the product in a manner that minimizes exposure to practicable levels. See Section VIII of this MSDS to evaluate personal protective equipment needs. Open containers slowly to relieve any pressure. Follow all other standard industrial hygiene practices. Empty containers may contain product residue. All safety precautions taken when handling this product should also be taken when handling empty drums and containers. Keep containers closed when not in use. Product residue in empty containers is combustible but will not readily burn. Note however that excessive heating or cutting of empty containers may create an ignition source sufficient to start a fire and in extreme cases, cause an explosion.

Protect product quality by storing indoors and away from extreme temperatures. Close all containers when not in use.

### SECTION VIII - EXPOSURE CONTROLS AND PERSONAL PROTECTION

#### PERSONAL PROTECTION EQUIPMENT (PPE)

Selection of personal protective equipment should be based upon the anticipated exposure and made in accordance with OSHA's Personal Protective Equipment Standard found in 29 CFR 1910 Subpart I. The following information may be used to assist in PPE selection.

**Respiratory Protection:**

A respirator may be worn to reduce exposure to vapors, dust, or mist. Select a NIOSH/MSHA approved respirator appropriate for the type and physical character of the airborne material. A self-contained breathing apparatus is recommended in all situations where airborne contaminant concentration has not been confirmed to be below safe levels. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators.

**Skin Protection:**

Gloves are not normally needed during normal conditions of use. If health effects are experienced, oil or chemical resistant gloves such as butyl or nitrile are recommended. Where splashing or soaking is likely, wear oil or chemical resistant clothing to prevent exposure.

**Eye Protection:**

Wear eye protection appropriate to prevent eye exposure. Where splashing is not likely, chemical safety glasses with side shields are recommended. Where splashing may occur, chemical goggles or full face shield is recommended.

**Engineering Controls:**

Normal general ventilation is expected to be adequate. It is recommended that ventilation be designed in all instances to maintain airborne concentrations at lowest practicable levels.

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**SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES**

<b>Specific Gravity (at 77°F/25°C):</b>	0.970	<b>Physical Form:</b>	Semi-solid
<b>Solubility in Water:</b>	Insoluble	<b>Odor:</b>	Odorless

The above information is not intended for use in preparing product specifications.

**SECTION X – STABILITY AND REACTIVITY**

**Incompatibilities:** This product is incompatible with strong oxidizing agents.

**Decomposition products may include:**

Thermal decomposition products are dependent on combustion conditions. A complex mixture of airborne solid, liquid, particulates and gasses may evolve when the material burns. Combustion byproducts may include: oxides of carbon, incompletely burned hydrocarbons as fumes and smoke.

**Conditions to Avoid:** Avoid contact with incompatible materials and exposure to extreme temperatures.

**Polymerization:** This product is not expected to polymerize.

**Stability:** This product is stable

**SECTION XI – TOXICOLOGICAL INFORMATION**

No known applicable information.

**SECTION XII – ECOLOGICAL INFORMATION**

Complete information is not yet available. This product has not been evaluated for ecotoxicity. As with any industrial chemical, exposure to the environment should be prevented and minimized whenever possible.

**SECTION XIII – DISPOSAL CONSIDERATION**

Ensure that collection, transport, treatment, and disposal of waste product, containers and rinsate complies with all applicable laws and regulations. Note that use, mixture, processing, or contamination of the product may cause the material to be classified as a hazardous waste. It is the responsibility of the product user or owner to determine at the time of disposal, whether the product is regulated as a hazardous waste.

**SECTION XIV – TRANSPORT INFORMATION**

**DOT Hazardous Material Information:**

Not regulated by US DOT unless shipped in pressurized containers. See bill of lading for proper DOT classification of pressurized container.

**SECTION XV – REGULATORY INFORMATION**

**TSCA inventory status and TSCA information:**

All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

**CERCLA Regulated Chemicals:** None

**SARA 313 Chemicals:** None

**California Proposition 65:**

This material does not contain any chemicals known to the state of California to cause cancer or to cause reproductive effects.

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**SECTION XVI – OTHER INFORMATION**

This data is offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.