

# MATERIAL SAFETY DATA SHEET

## SECTION 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: **PRSI 308 A**  
Product Class: Silicone Base  
Manufacturer: Prairie Technology Group, Inc.  
602 E. Front Road, Hutto, TX 78634  
Phone: 512-846-2444 Fax: 512-846-2400

Emergency Phone: CHEM-TEL 800-255-3924

Date Revised: 01/09/2015

## SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT	CAS REG NUMBER	OSHA HAZARD	PERCENTAGE
Polymethylvinylsiloxanes	68083-19-2	N	88-96
Silica, Amorphous, Treated	68909-20-6	N	
Polydimethylsiloxanes, Hydrogen Terminated	70900-21-9	Y	3 - 7
Polydimethyl(methylhydrogen)siloxane, Hydrogen End-Blocked	69013-23-6	Y	1 - 5

## SECTION 3 – HAZARDS IDENTIFICATION

### A. Emergency Overview:

**Physical Appearance and Odor:** Translucent, viscous, odorless liquid.

**Warning Statements:** Trace amounts of flammable vapor (hydrogen) may be formed upon contact with water, alcohol, bases, acids and some metallic salts. A bulging container might be an indication of vapor build up during storage.

### B. Potential Health Effects:

**Acute Eye:** Non-irritating. May cause redness, irritation.  
**Acute Skin:** Low acute dermal toxicity.  
**Acute Inhalation:** Inhalation not likely.  
**Acute Ingestion:** Low acute oral toxicity.  
**Chronic Effects:** This product does not contain any ingredient designated by IARC, NTP, ACGIH or OSHA as probably or suspected human carcinogens.

#### **SECTION 4 - FIRST AID MEASURES**

**Eye Exposure:** 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.

**Skin Exposure:** 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.

**Inhalation:** Inhalation is not an expected route of exposure. If respiratory irritation or distress occurs remove victim to fresh air. Seek medical attention if respiratory irritation or distress continues.

**Ingestion:** If victim is conscious and alert, give 1-2 glasses of water to drink. Do not give anything by mouth to an unconscious person. Seek medical attention. Do not leave victim unattended.

#### **MEDICATION CONDITIONS POSSIBLY AGGRAVATED BY EXPOSURE;**

No specific information found.

#### **NOTES TO PHYSICIAN:**

All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. Treat symptomatically. No specific antidote available.

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

<b>Flash Point:</b>	>200°F (>93°C). Flammability Class: WILL BURN
<b>Method Used:</b>	Tagliabue Closed Cup
<b>Flammability Limits:</b>	Lower – 4 (Volume / Volume %), Higher – 75 (Volume / Volume %)
<b>Extinguishing Media:</b>	Recommended: dry chemicals, foam, and carbon dioxide
<b>Special Firefighting Procedures:</b>	Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Cool containers exposed to fire with water.
<b>Unusual Fire and Explosion Hazards:</b>	Product will burn under fire conditions. Trace amounts of flammable gas (hydrogen) may form explosive mixtures with air upon contact with water, acids, bases, amines and metallic salts or, where bulging containers exist, in storage.

<b>Hazardous Decomposition Materials (Under Fire Conditions):</b>	Formaldehyde, Oxides of Carbon, and Silica
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## **SECTION 6 - ACCIDENTAL RELEASE MEASURES**

**Evacuation Procedures and Safety:** Wear appropriate protective gear for the situation. See Personal Protection information in Section 8. **CAUTION:** Spilled material may make the floor slippery. Do not leave traces of product on floors, ladders, etc., as this may present a slipping hazard.

**Containment of Spill:** Prevent spill from entering surface waters, drains or sewers and soil. Contain any fluid that runs using a suitable material (e.g. earth). Close leak if possible without risk. Spills of material that could reach surface waters must be reported to the United States Coast Guard National Response Center (800-424-8802).

**Cleanup and Disposal of Spill:** Absorb with an inert absorbent. Scrape up and place in closed container (see Section 7: Handling and Storage). Clean up residual material with an appropriate solvent like paint thinner or mineral spirits, provided that there is good ventilation and no sources of ignition.

**Environmental and Regulatory Reporting:** Do not flush to drain.

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

**Handling:** Always use good housekeeping practices. Avoid breathing vapors and mists. Avoid direct or prolonged contact with skin and eyes. Keep containers closed when stored and when not being used to avoid premature curing.

**Storage:** Store in tightly closed containers. Store in an area that is dry, cool, well-ventilated, and away from combustible material, ignition sources, and incompatible materials (see Section 10- Stability and Reactivity).

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

This product can form formaldehyde vapors when heated to temperatures above 150°C in the presence of air. Formaldehyde is a potential cancer hazard, a known skin and respiratory sensitizer, and an irritant to the eyes, nose, throat, skin, and digestive system. Safe handling conditions may be maintained keeping vapor concentrations within the OSHA Permissible Exposure limit for formaldehyde.

**Exposure Guidelines:** No exposure limits were found for this product or any of its ingredients.

**Engineering Controls:** Where engineering controls are indicated by use conditions or a potential for excessive exposure exists, the following traditional techniques may be used to effectively minimize employee exposures: general area dilution/exhaust ventilation.

**Respiratory Protection:** When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with

the appropriate regulatory standards and/or industrial recommendations. For reasonable foreseeable industrial end uses of this material, respiratory protection should not be necessary.

**Eye/Face Protection:** Eye and face protection requirements will vary dependent upon work environment conditions and material handling practices. Appropriate ANSI Z87 approved equipment should be selected for the particular use intended for this material. It is generally regarded as good practice to wear a minimum of safety glasses with side shields when working in industrial environments.

**Skin Protection:** Skin contact should be minimized through use of gloves and suitable long-sleeved clothing (i.e. shirts and pants). Consideration must be given both to durability as well as permeation resistance.

**Work Practice Controls:** Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material:

- (1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored.
- (2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, etc.
- (3) Wash exposed skin promptly to remove accidental splashes or contact with this material.

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

<b>Physical Appearance</b>	Translucent viscous liquid
<b>Odor</b>	Odorless
<b>pH:</b>	Not Applicable
<b>Specific Gravity</b>	1.1 at 77°F (25°C)
<b>Water Solubility</b>	slowly hydrolyses
<b>Melting Point Range</b>	Not Available
<b>Boiling Point Range</b>	Not Available
<b>Vapor Pressure</b>	< 0.1 mmHg at 68°F (20°C)
<b>Vapor Density (Air=1)</b>	>1
<b>Viscosity</b>	20,000 cps at 77°F (25°C)

## **SECTION 10 - STABILITY AND REACTIVITY**

**Chemical Stability:** This material is stable under normal handling and storage conditions described in Section 7.

**Conditions To Be Avoided:** Combustible materials, heat, open flame, spark, static electricity, water, extreme humidity

**Materials/Chemicals To Be Avoided:** Strong bases, strong acids, strong oxidizing agents, moisture, water, alcohols, amines, metal salts



(Revised 01/09/2015)

**The Following Hazardous Decomposition Products Might Be Expected:**

**Thermal Decomposition:** Oxides of carbon, dimethylcyclosiloxanes, methylphenylcyclosiloxanes

**Oxidative/Thermal Decomposition:** Formaldehyde, oxides of carbon, silica

**Hazardous Polymerization Will Not Occur.**

**SECTION 11 - TOXICOLOGICAL INFORMATION**

**Acute Eye Irritation:** No test data found for product.

**Acute Skin Irritation:** No test data found for product.

**Acute Dermal Toxicity:** No test data found for product.

**Acute Respiratory Irritation:** No test data found for product.

**Acute Inhalation Toxicity:** No test data found for product.

**Acute Oral Toxicity:** No test data found for product.

**Chronic Toxicity:** This product does not contain any substances that are considered by OSHA, NTP, IARC or ACGIH to be "probable" or "suspected" human carcinogens.

**SECTION 12 – ECOLOGICAL INFORMATION**

**Ecotoxicological Information:** No data found for product.

**Chemical Fate Information:** No data found for product.

**SECTION 13 – DISPOSAL CONSIDERATIONS**

**Waste Disposal Method:** Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSOS incomplete, inaccurate or otherwise inappropriate. Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different from federal laws and regulations. Consult state and local regulations regarding the proper disposal of this material.

**Container Handling and Disposal:** Any containers or equipment used should be decontaminated immediately after use.

**EPA Hazardous Waste:** NO



**SECTION 14 – TRANSPORTATION INFORMATION**

US DOT & Canada TDG surface transport:	NOT REGULATED
IMDG sea transport code:	NOT REGULATED
ICAO-TI/IATA-DGR air transport:	NOT REGULATED

**SECTION 15 - REGULATORY INFORMATION**

**Inventory Status**

UNITED STATES (TSCA)	Y
CANADA (CDSL/DSL)	Y
EUROPE (EINECS/ELINCS)	P
AUSTRALIA (AICS)	Y
JAPAN (MITI)	Y
SOUTH KOREA (KECL)	Y

Y = All ingredients are on the inventory.

E = All ingredients are on the inventory or exempt from listing.

P = One or more ingredients fall under the polymer exemption or are on the no longer polymer list. All other ingredients are on the inventory or exempt from listing.

N = Not determined or one or more ingredients are not on the inventory and are not exempt from listing.

**CANADA REGULATIONS:**

WHMIS ID: Not identified

**FEDERAL REGULATIONS:**

**Inventory Issues:**

All functional components of this product are listed on the TSCA Inventory

**SARA Title III Hazard Classes:**

Fire Hazard:	NO
Reactive Hazard:	YES
Release of Pressure:	NO
Acute Health Hazard:	NO
Chronic Health Hazard:	NO

**STATE REGULATIONS:**

This product does not contain any components that are regulated under California

Proposition 65.

**SECTION 16 - OTHER INFORMATION**

**National Fire Protection Association Hazard Ratings – NFPA (R):**

- 1 Health Hazard Rating:– minimal
- 1 Flammability Rating – slight
- 1 Instability Rating – minimal

**National Paint & Coating Hazardous Materials Identification System-HMIS (R):**

- 1 Health Hazard Rating – minimal
- 1 Flammability Rating – slight
- 1 Reactivity Rating – minimal

**Reason for revisions:**

Revisions to this MSDS from the previous version dated 11/02/2009 are due to changes and/or modifications to sections 2, 5 and 6; and warning statements in Section 5 and 15.

**Key Legend Information:**

ACGIH - American Conference of Governmental Industrial Hygienists

OSHA - Occupational Safety and Health Administration

TLV - Threshold Limit Value

PEL - Permissible Exposure Limit

TWA - Time Weighted Average

STEL - Short Term Exposure Limit

NTP - National Toxicology Program

IARC - International Agency for Research on Cancer

ND - Not determined

Disclaimer: The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Prairie Technology Group, Inc. assumes no responsibility for injury to vendee or third persons proximately cause by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.