

## Section 1 - Chemical Product and Company Identification

**Product/Chemical Name:** R51 2.034Kg/m<sup>2</sup> silicone coated fiberglass material

**Chemical Formula:** N/A

**CAS Number:** N/A

**Other Designations:** Welding blanket material, Fire blanket material

**Derivation:** Prepared by impregnating woven fiberglass with proprietary silicone polymer mixture to both sides of the material then heat cured.

**General Use:** Used in spark or molten metal protection. Commonly used in the protection of personnel and equipment from welding and other hot works.

**Company Name:** Hi Temp Products of Canada  
16810-129Ave, Edmonton AB T5V1L2 Canada

**Contact Telephone Number:** 1-780-424-1829

## Section 2 - Composition / Information on Ingredients

Hazardous Ingredients	CAS Number	EINECS/ELINCS	% wt or % vol
Dimethylpolysiloxane	9016-00-6	618-493-1	< 2%

Note: While this chemical is in the coating base, the vulcanized state precludes it from being hazardous.

Non-Hazardous Ingredients	CAS Number	EINECS/ELINCS	% wt or % vol
Fiberglass continuous filament	65997-17-3	None assigned	98-100%
Sizing	N/A	N/A	0 -2

## Section 3 - Hazards Identification

### Potential Health Effects

**Primary Entry Routes:** Ingestion or skin contact.

**Target Organs:** Skin, digestive tract.

**Acute Effects:** Fiberglass continuous filament is a mechanical irritant.

**Inhalation:** Breathing dust and fibers may cause short-term irritation of the mouth, nose and throat.

**Eye:** May cause short-term mechanical irritation.

**Skin:** May cause itching and short-term irritation.

**Ingestion:** May cause short-term mechanical irritation of the stomach and intestines..

**Carcinogenicity:** The International Agency for Research on Cancer (IARC) categorized fiberglass continuous filament as not classified with respect to human carcinogenicity (Group 3)

**Medical Conditions Aggravated by Long-Term Exposure:** Long term breathing or skin conditions that are aggravated by mechanical irritants may be at a higher risk of worsening from the use or contact with this product.

**Chronic Effects:** There are no known health effects connected with long term use or contact with this product .

## Section 4 - First Aid Measures

**Inhalation:** Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.

**Eye Contact:** Prolonged or repeated eye and skin contact causes irritation.

**Skin Contact:** Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.

**Ingestion:** If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately.

*After first aid, get appropriate in-plant, paramedic, or community medical support.*

**Note to Physicians:** Treat symptomatically and supportively.

## Section 5 - Fire-Fighting Measures

**Flash Point:** noncombustible

**Burning Rate:** N/A

**Autoignition Temperature:** N/A

**Extinguishing Media:** Water, foam, CO<sub>2</sub> or dry chemical

**Unusual Fire or Explosion Hazards:** None known

**Fire-Fighting Instructions:** Use a self-contained breathing apparatus (SCBA) in a sustained fire.

## Section 6 - Accidental Release Measures

**Spill /Leak Procedures:** N/A

**Land Spills:** Scoop up material and put into suitable container for disposal as a non-hazardous waste

**Water Spills:** This material will sink and disperse along the bottom of waterways and ponds. The material is non-hazardous in water.

**Waste Disposal Method:** Consult certified material disposal contractor.

## Section 7 - Handling and Storage

**Handling Precautions:** Avoid contact with eyes and skin. Avoid ingestion and inhalation.

**Storage Requirements:** None

**Comments:** Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics

## Section 8 - Exposure Controls / Personal Protection

**Engineering Controls:** N/A

**Ventilation:** No ventilation required as material does not emit any off gassing

**Administrative Controls:** N/A

**Respiratory Protection:** Dust mask if material is machined.

**Protective Clothing/Equipment:**

**Skin:** Wear protective gloves to prevent prolonged or repeated skin contact.

**Eye:** Wear protective eyeglasses or chemical safety goggles if material is machined

**Safety Stations:** Make emergency eyewash stations and washing facilities available in work area.

**Comments:** Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

## Section 9 - Physical and Chemical Properties

**Physical State:** solid

**Appearance and Odor:** Red, odorless

**Odor Threshold:** N/A

**Vapor Pressure:** N/A

**Vapor Density (Air=1):**

**Formula Weight:** N/A

**Density:** 1.084 Kg/m<sup>2</sup>

**Specific Gravity (H<sub>2</sub>O=1, at 4 °C):** 1.1

**pH:** N/A

**Water Solubility:** non-soluble

**Other Solubilities:** none

**Boiling Point:** none

**Freezing/Melting Point:** -90°C to 1200°C

**Viscosity:** N/A

**Refractive Index:** N/A

**Surface Tension:** N/A

**% Volatile:** N/A

**Evaporation Rate:** N/A

## Section 10 - Stability and Reactivity

**Stability:** Stable

**Polymerization:** Hazardous polymerization will not occur.

**Chemical Incompatibilities:** None

**Conditions to Avoid:** None known

**Hazardous Decomposition Products:** Sizing or binders may decompose in a fire. See Section 5 of MSDS for combustion products statement.

## Section 11- Toxicological Information

### Toxicity Data:

#### Acute Inhalation Effects:

Human, inhalation, TC<sub>Lo</sub>: Not Available

#### Acute Oral Effects:

Human oral, LD<sub>50</sub>: Not Available

**Chronic Effects:** no data available

**Carcinogenicity:** The International Agency for Research on Cancer (IARC) categorized fiberglass continuous filament as not classified with respect to human carcinogenicity (Group 3)

**Mutagenicity:** no data available

**Teratogenicity:** no data available

## Section 12 - Ecological Information

**Ecotoxicity:** This material is not expected to cause harm to animals, plants or fish.

**Environmental Fate:** no data available

**Environmental Degradation:** no data available

**Soil Absorption/Mobility:** no data available

## Section 13 - Disposal Considerations

**Disposal:** Consult certified material disposal contractor for instruction.

**Disposal Regulatory Requirements:** None

**Container Cleaning and Disposal:** N/A

**RCRA Hazard Class:** Non-Hazardous

## Section 14 - Transport Information

**DOT Transportation Data (49 CFR 172.101):** Not Regulated.

**Shipping Name:** None

**Shipping Symbols:** None

**Hazard Class:** Non-Hazardous

**ID No.:** None

**Packing Group:** None

**Label:** None

**Special Provisions:** None

**European Class:**

**RIS (OCTI):** None

**ADR (ECE):** None

**RAR (IATA):** None

## Section 15 - Regulatory Information

**TSCA Status:** Each ingredient is on the Inventory

**NSR Status (Canada):** Each ingredient is on the DSL

**SARA Title III:**

**Hazard categories**

Acute Health: No

Chronic Health: No

Fire Hazard: No

Pressure Hazard: No

Reactivity Hazard: No

**Reportable Ingredients:**

Sec. 302/304: None

Sec. 313: None

**Clean Air Act:** No ingredient is listed

WHMIS Status: Not controlled

WHMIS Classification(s): None

### Section 16 - Other Information

**Disclaimer:** All information, recommendations and suggestions appearing herein are based upon sources believed to be reliable: However, it is the users' responsibility to determine the safety, toxicity and suitability for its own use of this product. HI TEMP PRODUCTS OF CANADA DOES NOT ASSUME ANY LIABILITY ARISING OUT OF THE USE BY OTHERS OF THIS PRODUCT.