

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: R53 2.034Kg/m² 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 , CO2 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: 2.034 Kg/m²

Specific Gravity (H₂O=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 1500°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_{Lo}: Not Available

Acute Oral Effects:

Human oral, LD₅₀: 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.