

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: Any P51 0.576 kg/m² silicone coated fiberglass material

Chemical Formula: Not Applicable

CAS Number: Not Applicable

Other Designations: Welding Blanket Material, Fire Blanket Material

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

General Use: Used in sparks 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, Inc.

16810-129 Avenue, Edmonton, AB, Canada T5V 1L2

Tel. No. 780-424-1829

Section 2 - Composition / Information on Ingredients

Hazardous Ingredient	CAS Number	EINECS/ELINCS	% wt or % vol
Dimethylpolysiloxane	9016-00-6	618-493-1	Less than 2%

Hazardous Ingredient	CAS Number	EINECS/ELINCS	% wt or % vol
Fiberglass continuous filament	65997-17-3	None assigned	98-100
Sizing	Sizing	None	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: Eye contact with dust and fiber may cause short-term mechanical irritation.

Skin: Skin contact with dust and fibers 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). The evidence from human as well as animal studies was evaluated by IARC as insufficient to classify fiberglass continuous filament as a possible, probable, or confirmed cancer-causing material.

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: No known.

Fire-Fighting Instructions: Use self-breathing apparatus 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 on the bottom of water waste and ponds. The material is non-hazardous in water.

Containment: N/A

Waste Disposal method: Consult certified material disposal contractor.

Section 7 - Handling and Storage

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

Storage Requirements: None

Section 8 - Exposure Controls / Personal Protection

Engineering Controls: N/A

Ventilation: Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

Administrative Controls:

Respiratory Protection: Dust Masks

Protective Clothing/Equipment:

Skin: Wear protective gloves prevent prolonged or repeated skin contact if necessary.

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: Never eat, drink, or smoke in work areas. 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: Pink - odorless

Odor Threshold: N/A

Vapor Pressure: N/A

Vapor Density (Air=1): N/A

Formula Weight: N/A

Density: 0.576 kg/m²

Specific Gravity (H₂O=1): 1.1

PH: N/A

Water Solubility: non-soluble

Other Solubilities: None

Boiling Point: None

Freezing/Melting Point: -90 °C / 1100 °C

Viscosity: N/A

Refractive Index: N/A

Surface Tension: N/A

% Volatile: N/A

Evaporation Rate: None

Section 10 - Stability and Reactivity

Stability: Trisodium Phosphate is stable at room temperature in closed containers under normal storage and handling conditions.

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 product statements.

Section 11- Toxicological Information

Toxicity Data:*

Acute Inhalation Effects: not available

Acute Oral Effects: not available

Mutagenicity: no data available

Teratogenicity: no data available

Chronic Effects: no data available

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Section 12 - Ecological Information

Ecotoxicity: Aquatic toxicity: This material is not expected to cause any harm to plants and 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 construction.

Disposal Regulatory Requirements: None

Container Cleaning and Disposal: Not applicable

RCRA Hazard Class: Non-hazarduous

Section 14 - Transport Information

Shipping Name:

Shipping Symbols: None

Hazard Class: Non-hazarduous

ID No.: None

Packing Group: None

Label:

Special Provisions: None

European Class:

RID (OCTI) : None

ADR (ECE) : None

RAR (IATA): None

Section 15 - Regulatory Information

TSCA: Each ingredient is on the inventory.

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

SARA Title III:

Hazard Categories:

Acute health: No

Fire Hazard: No

Pressure Hazard: No

Reactivity Hazard: No

RECORDABLE INGREDIENTS:

SEC.302/304: None

SEC.303 : None

CLEAN-AIR ACT: No ingredient is listed

WHMIS (Canada) Status: Not controlled

WHMIS (Canada) Classification: 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, INC.** DOES NOT ASSUME ANY LIABILITY ARISING OUT OF THE USE BY OTHERS OF THIS PRODUCT.