

# SAFETY DATA SHEET

## 1. Identification

<b>Product Identifier</b>	<b>HVMC Putty Component A</b>
<b>Synonyms</b>	High Velocity Masking Compound – Component A
<b>Relevant identified use of the product</b>	
<b>Use of the Product</b>	A unique two-part silicone putty used to mask holes, keyways, channels, depressions and produce reusable plugs in grit blast, thermal spray and HVOF (High Velocity Oxy Fuel) operations.
<b>Restriction on Use</b>	Not applicable.
<b>Details of the supplier of the safety data sheet</b>	
<b>Company</b>	Green Belting Industries Limited
<b>Address</b>	Mississauga ON L5T 2J3 Canada
<b>Telephone</b>	+1 905 564 6712 (08:30 to 17:00 Eastern Standard Time)
<b>E-mail address</b>	sds-support@greenbelting.com
<b>Emergency Telephone Number</b>	+1 905 564 6712 Available between the hours 08:30 to 17:00 (EST)

## 2. Hazard Identification

### Classification of the Product

<b>Physical hazards</b>	Not applicable	Not applicable
<b>Health hazards</b>	Skin corrosion/irritation Eye damage/eye irritation	Category 2 Category 2
<b>Environmental hazards</b>	Not applicable	Not applicable

### Label Elements



<b>Signal Word</b>	Warning
<b>Hazard Statement(s)</b>	Causes skin irritation Causes serious eye irritation

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## Precautionary Statement (s)

### Prevention

Wash hands thoroughly after handling.  
 Wear protective gloves/protective clothing/eye protection/face protection.

### Response

IF ON SKIN: Wash with plenty of soap and water.  
 Specific treatment (see Section 4 on this safety data sheet).  
 If skin irritation occurs: Get medical advice/attention.  
 Take off contaminated clothing and wash before reuse.  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 If eye irritation persists: Get medical advice/attention.

### Storage

Not applicable.

### Disposal

Not applicable.

### Other Hazards

Use of this product is not normally considered hazardous, and there are no known physical hazards.

## 3. Composition/Information on Ingredients

### Chemical Nature of the Mixture

Polydimethylsiloxane with functional groups and auxiliary

### Mixtures

Ingredient Name	CAS Number	EC Number	% by Weight
Polydimethylsiloxane	68083-19-2	614-275-5	100.0

This material does not contain any OSHA or WHMIS reportable hazardous ingredients. Due to the physical nature of this material (paste), exposure to dusts/particulates is not expected. Substances in the "HAPS" and "California Proposition 65 Carcinogens/Reproductive Toxins" that are not listed in Section 2 are only present at quantities below 0.1% for California Proposition 65 listed toxins or below 1% for non-carcinogenic HAPS or they are inextricably bound in the product.

None of the product components are intentionally released during their use when used as intended and in accordance with recommended specifications and parameters.

For full text of the R-phrases mentioned in this Section, see Section 16.

For full text of the S-phrases mentioned in this Section, see Section 16.

For full text of the H-statements mentioned in this Section, see Section 16.

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## 4. First Aid Measures

### General Advice

Never give anything by mouth to an unconscious person. Get medical attention if irritation or other symptoms occur. Before seeking medical attention remove contaminated clothing and shoes. Take a copy of the Safety Data Sheet when going for medical attention.

### Inhalation

Material cannot be inhaled under normal conditions. No special measures required.

### Skin Contact

Wipe off excess material with cloth or paper. Use a waterless hand cleaner to remove as much of the remaining material as possible. Wash with soap and water. If skin irritation occurs get medical attention.

### Eye Contact

If contact with eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists get medical attention.

### Ingestion

After swallowing, no special treatment is required.

### Most important symptoms and effects, both acute and delayed

Eye Contact: Cause serious eye irritation.  
Skin Contact: Causes skin irritation.  
Inhalation: No acute toxic respiratory tract effects are expected. Inhalation is not expected due to low vapor pressure or high viscosity.  
Ingestion: Ingestion is not expected in industrial use.  
Additional Information on acute health effects: The health hazards evaluation is based on test results and/or known properties of ingredients. Due to the physical nature of this material (paste), exposure to dusts/particulates is not expected.  
No known or expected chronic health effects. This material contains crystalline silica. However, due to the physical nature of this material inhalation of silica dust is not possible.  
None known medical conditions which may be aggravated by exposure.  
No known internal organ effects.  
This material does not contain any reportable carcinogenic ingredients. Exposure to carcinogens cannot occur under normal conditions of use during foreseeable emergencies. This material does not contain any reproductive toxins at or above OSHA or WHMIS reportable levels.

### Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## 5. Fire Fighting Measures

### Suitable extinguishing media

Water spray, Carbon dioxide (CO<sub>2</sub>), Alcohol-Resistant Foam, Dry Chemical, Sand.

### Unsuitable extinguishing media

Water Jet.

### Specific hazards during fire fighting

This material does not present any unusual fire or explosion hazards. Hazardous thermal decomposition products. Carbon Dioxide, Carbon Monoxide, Formaldehyde, Silicon Dioxide and incompletely burnt hydrocarbons.

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Exposure to decomposition products can be a hazard to health.

**Special protective equipment for firefighters**

Wear self-contained breathing apparatus and protective suit. Wear neoprene gloves during cleaning up work after a fire.

**Further information**

This material does not present any unusual fire or explosion hazards.

## 6. Accidental Release Measures

**Personal precautions**

For personal protection see section 8.  
Use protective equipment to prevent the contamination of skin, eyes, and clothing.

**Environmental Precautions**

Prevent material from entering sewers or surface waters.

**Methods and materials for containment and cleaning up**

Scoop up large quantities after dusting surfaces with sand or Fuller's Earth to prevent sticking. Sweep or scrape up the spilled material and place in an appropriate chemical waste container. Clean any slippery coating that remains using a detergent/soap solution or another biodegradable cleaner. Apply sand or other inert granular material to improve traction.

**Reference to other sections**

For disposal instructions see section 13.

## 7. Handling and Storage

**Precautions on safe handling**

Product which presents minimal hazards to personnel when handling in accordance with operating and storage recommendations.

**Advice on protection against fire and explosion**

No special precautions against fire and explosion required.

**Requirements for storage areas and containers**

No special precautions necessary, but recommend storing in a dry cool place and protecting from contamination.

**Advice on common storage**

No special restrictions on storage with other products.

**Storage temperature**

Store in cool, dry conditions and avoid excessive temperatures.

**Other data**

Do not store in direct sunlight or in conditions of high humidity.

## 8. Exposure controls/personal protection

**Control Parameters**

Associate substances with specific control parameters (limit values): None known  
Given the special precautions mentioned in section 7, these traces present no toxic risk to the processing personnel. Gloves should be worn when handling the material. Safety glasses are normally recommended for all industrial workplaces when handling the material.

**Engineering measures**

Use with adequate ventilation.

**Eye protection**

Throughout basic product handling processes goggles or face shields should be worn.

**Hand protection**

Throughout basic product handling processes any liquid-tight rubber or vinyl gloves are recommended.

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## Skin and body protection

The wearing of a loose fitting long sleeved shirt that covers to the base of the neck and long trousers is recommended to minimize exposure.

## Hygiene measures

Handle in accordance with good industrial hygiene and safety practices. Wash hands immediately after handling the product. Contaminated clothes should always be washed separately.

## Respiratory protection

Not required for normal use of the product. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

## 9. Physical and Chemical Properties

<b>Appearance:</b>	Off-white	<b>Upper/lower flammability or explosive limits:</b>	Not applicable
<b>Physical state:</b>	Paste	<b>Flammability (solid, gas):</b>	Not applicable
<b>Odour:</b>	Odourless	<b>Vapour pressure:</b>	Not applicable
<b>Odour threshold:</b>	Not applicable	<b>Vapour density:</b>	Not applicable
<b>pH:</b>	Not applicable	<b>Relative density:</b>	1.30g/m <sup>3</sup>
<b>Melting point/freezing point:</b>	Not applicable	<b>Solubility(ies):</b>	Virtually insoluble
<b>Flash point:</b>	Not applicable	<b>Auto-ignition temp:</b>	Not applicable
<b>Initial boiling point and boiling range:</b>	Not applicable	<b>Partition coefficient n-octanol/water:</b>	Not applicable
<b>Evaporation rate:</b>	Not applicable	<b>Decomposition temp:</b>	Not applicable
<b>Viscosity:</b>	Not applicable		

## 10. Stability and Reactivity

<b>Reactivity</b>	Stable at normal ambient temperature and pressure.
<b>Chemical stability</b>	Product is chemically stable.
<b>Possible hazardous reactions</b>	Stable under recommended storage conditions.
<b>Conditions to avoid</b>	Not applicable.
<b>Incompatible materials</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	If stored and handled properly, none. Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150°C (302°F) through oxidation. Decomposition products could include carbon monoxide, carbon dioxide and silicon dioxide.

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## 11. Toxicological Information

<b>Acute oral toxicity</b>	No data available for product itself.
<b>Primary Routes of Potential Exposure</b>	
<b>Skin irritation</b>	Causes skin irritation.
<b>Eye irritation</b>	Causes serious eye irritation.
<b>Inhalation</b>	No data available for product itself.
<b>Sensitization</b>	No data available for product itself.
<b>Repeated dose toxicity</b>	Not applicable.
<b>Mutagenicity assessment</b>	Not applicable.
<b>Carcinogenicity assessment</b>	No data available for the product itself.
<b>Toxicity to reproduction assessment</b>	No data available for the product itself.
<b>STOT-Single exposure</b>	Not applicable.
<b>STOT-Repeated exposure</b>	Not applicable.
<b>Aspiration hazard</b>	Not applicable.

## 12. Ecological Information

<b>Toxicity</b>	For the product as a whole, no test data is available. According to current knowledge adverse effects on water purification plants are not expected.
<b>Persistence and degradability</b>	Biologically not degradable. Insoluble in water. Separation by sedimentation.
<b>Bio-accumulative potential</b>	No adverse effects expected.
<b>Mobility in soil</b>	No adverse effects expected.
<b>Results of PBT and vPvB assessment</b>	Not applicable.
<b>Additional ecological information</b>	No data is available on the product itself.

## 13. Disposal Considerations

<b>Disposal instructions</b>	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Local disposal regulations</b>	Where possible, recycling is preferred to disposal or incineration. Dispose of in accordance with local regulations.

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**Local disposal regulations**

Where possible, recycling is preferred to disposal or incineration. Dispose of in accordance with local regulations.

**Hazardous waste code**

The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from residues / unused products**

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging**

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## 14. Transport Information

**Transport ADR/RID/ADN**

<b>UN Number</b>	Not Applicable.
<b>UN Proper Shipping Name</b>	Not Applicable.
<b>Transport hazard class(es)</b>	Not Applicable.
<b>Packing group</b>	Not Applicable.

**Transport IMDG**

<b>UN Number</b>	Not Applicable.
<b>UN Proper Shipping Name</b>	Not Applicable.
<b>Transport hazard class(es)</b>	Not Applicable.
<b>Marine pollutant</b>	Not Applicable.
<b>Packing group</b>	Not Applicable.
<b>EmS</b>	Not Applicable.

**Transport ICAO-TI / IATA**

<b>UN Number</b>	Not Applicable.
<b>UN Proper Shipping Name</b>	Not Applicable.
<b>Transport hazard class(es)</b>	Not Applicable.

**Environmental hazards** Not Applicable.

**Other information** Not Applicable.

**Special precautions for user** Not classified as dangerous in the meaning of transport.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code** Not Applicable.

## 15. Regulatory Information

### Safety, health and environmental regulations/legislation specific for the substance or mixture

<b>USA</b>	
<b>TSCA Status</b>	This material or its components are listed on or are in compliance with the requirements of the TSCA Chemical Substance Inventory.
<b>TSCA 12(b)</b>	This material does not contain any TSCA 12(b) regulated chemicals.
<b>SARA Title III</b>	
<b>Sec. 303/304</b>	None.
<b>Sec. 311/312</b>	Not applicable.
<b>Sec 313</b>	Not applicable.
<b>CERCLA RQ</b>	Not applicable.
<b>HAPS (Hazardous Air Pollutants)</b>	CAS#108-88-3 Toluene
<b>California Prop 65</b>	CAS#13463-67-7 Titanium dioxide CAS#14808-60-7 Quartz CAS#108-88-3 Toluene
<b>State Right-to-Know Lists</b>	CAS#112945-52-5 Silica, amorphous, fumed CAS#14808-60-7 Quartz CAS#8042-47-5 Mineral Oil
<b>CANADA</b>	This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.
<b>WHMIS Classification (for workplace exposures)</b>	Not controlled.
<b>New Substance Notification Regulations</b>	All ingredients in this product are listed, as required, on Canada's Domestic Substances List (DSL).
<b>Canadian Ingredient Disclosure List</b>	CAS#112945-52-5 Silica, amorphous, fumed CAS#14808-60-7 Quartz
<b>EC Classification for the EC Substance/Preparation Symbol</b>	GHS07: Harmful
<b>German Water Hazard Class</b>	German Water Hazard Class WGK nwg. Non-water polluting substance.
<b>Other regulations</b>	Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.
<b>Chemical Safety Assessment</b>	No data available.
<b>16. Other Information</b>	
<b>Text of R-phrases referred to in Section 3</b>	R21 - Harmful in contact with skin R36 - Irritating to eyes R38 - Irritating to skin
<b>Text of S-phrases referred to in Section 3</b>	S2 - Keep out of the reach of children S36/37 - Wear suitable protective clothing and gloves S39 - Wear eye/face protection S51 - Use only in well-ventilated areas



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**Text of H-Statements referred to in Section 3**      H315 - Causes skin irritation  
 H319 - Causes serious eye irritation

**Preparation Information**

**Prepared by**      Green Belting Industries Limited  
**www.greenbelting.com**

**Revision Date**      June, 25, 2020

**Revision Summary**      Updated contact information, removed obsolete product and styling.  
 GHS requirements applied.

**Abbreviations and acronyms**

Section	Abbreviation	Description
2	CFR	Code of Federal Regulations
3	CAS	Chemical Abstracts Services
3	OSHA	Occupational Safety and Health Administration USA
3	ACGIH	American Conference of Governmental Industrial Hygienists
3	PEL	Permissible Exposure Limit
3	TLV	Threshold Limit Value
3	SVHC	Substances of Very High Concern
8	TWA	Time Weighted Average
8	STEL	Short-Term Exposure Limit
8	IDLH	Immediately Dangerous to Life or Health (NIOSH)
8	NIOSH	National Institute for Occupational Safety and Health
8	ppm	Parts per Million
8	ppb	Parts per Billion
11	LD <sub>50</sub>	"Lethal Dose, 50%" or median lethal dose (amount of substance required by body weight to kill 50% of the test population)
11	STOT	Specific Target Organ Toxicity
12	PBT	Persistent, Bio-accumulative and Toxic
12	vPvB	Very Persistent and Very Bio-accumulative
14	DOT	Department of Transport
14	ADR	Agreement on Dangerous Goods
14	IATA	International Air Transport Association
14	ACAO	International Civil Aviation Organisation
14	IMO	International Maritime Organization
14	IMDG	International Maritime Dangerous Goods
14	TSCA	Toxic Substances Control Act
15	SARA	Superfund Amendments and Reauthorization Act
15	CERCLA RQ	Comprehensive Environmental Response Compensation and Liability Act
15	WGK	German Water Hazard Class
15	WHMIS	Workplace Hazardous Materials Information System

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.