

**SAFETY DATA SHEET**  
**HIGH VELOCITY MASKING COMPOUND - COMPONENT A**

**SECTION 1 IDENTIFICATION****1.1 Product Identifier**

Product name: HVMC Putty Component A (of 2 component system)

Synonyms: High Velocity Masking Compound – Component A

**1.2 Relevant identified use of the product**

Use of the Product: 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.

**1.3 Details of the supplier of the safety data sheet**

Company: Green Belting Industries Limited  
 381 Ambassador Drive  
 Mississauga  
 ON L5T 2J3  
 Canada

Telephone: +1 905 564 6712 (09:00 to 17:00 Eastern Standard Time)

Telefax: +1 905 564 6709

E-mail address: [sds-support@greenbelting.com](mailto:sds-support@greenbelting.com)

European Union Contact: Biscor Limited  
 Unit 1 Broadfield Business Park  
 Pilsworth Road  
 Heywood  
 OL10 2TA  
 United Kingdom

Telephone: +44 (0)1706 396690 (09:00 to 17:00 UTC/GMT)

Telefax: +44 (0)1706 396691

**1.4 Emergency Telephone Number**

North American Emergency Telephone Number: +1 905 564 6712 Available between the hours 09:00 to 17:00 (EST)

European Union Emergency Telephone Number: +44 (0)1706 396690 Available between the hours 09:00 to 17:00 (UTC/GMT)

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#### SECTION 2 HAZARD IDENTIFICATION

##### 2.1 Classification of the Product

European Communities (EC):	Not a classified substance or mixture according to Regulation (EC) No. 1272/2008.			
USA:	Not classified as dangerous according to Directive 67/548/EEC.			
Canada:	Not a controlled product under WHMIS.			
HMIS® Rating (product as packaged)	Health: 1	Fire: 1	Reactivity: 0	PPE: B
Hazardous Materials Identification System and HMIS are registered trademarks of the National Paint and Coatings Association. (HMIS codes are based on contact with the product as packaged and any hydrolysis by-products, if present)				

##### 2.2. Label elements

Symbol:	None
Signal Word:	N/A
Hazard Statement(s):	N/A
Precautionary Statement:	P261 – Avoid breathing any fume or dust that may be generated P262 – Do not get in eyes, on skin or on clothing P264 – Wash hands thoroughly after handling.

##### 2.3. Other hazards

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

#### SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical Nature of the Mixture:** Polydimethylsiloxane with functional groups and auxiliary

##### 3.1 Substances

Not Applicable

##### 3.2 Mixtures – Information on Ingredients

Ingredient	CAS No.	% by Weight	Exposure Limits	Symbol	Risk Phrases
Polydimethylsiloxane	68083-19-2	100	N/A	None	None

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.

The above product(s) are defined under the European Union’s REACH (Registration, Evaluation, Authorization and Restriction of Chemicals) regulation as articles, and as such are exempt from the material safety data sheet provisions of 29 CFR 1910.1200(G).

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

This product is REACH compliant and does not contain REACH SVHCs (Substances of Very High Concern) materials and is considered non-hazardous when used as intended and in accordance with recommended

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specifications and parameters.

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

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

#### SECTION 4 FIRST AID MEASURES

##### 4.1 Description of 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:	For 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.
Eye Contact:	If contact with eyes, immediately hold eyelids apart and flush with plenty of water for at least 15 minutes.
Ingestion:	After swallowing, no special treatment is required.

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

Acute Health Effects:	<p><b>Route of Entry or Possible Contact:</b> Eyes, Skin, Ingestion</p> <p><b>Eye Contact:</b> May cause slight eye irritation.</p> <p><b>Skin Contact:</b> No acute toxic effects are expected.</p> <p><b>Inhalation:</b> No acute toxic respiratory tract effects are expected. Inhalation is not expected due to low vapour pressure or high viscosity.</p> <p><b>Ingestion:</b> Ingestion is not expected in industrial use.</p> <p><b>Additional Information on acute health effects:</b> 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.</p> <p><b>Further Information</b></p> <p><b>Chronic Health Effects:</b> 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.</p> <p><b>Medical conditions which may be aggravated by exposure:</b> None known</p> <p><b>Target Organs Affected:</b> No known internal organ effects.</p>
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**Signs and Symptoms of Exposure:** Refer to Acute Health Effects, listed above.

**Carcinogens/Reproductive Toxins:** 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. See Section 11 for Toxicological Information.

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

Treatment: Treat symptomatically.

### SECTION 5 FIRE FIGHTING MEASURES

#### 5.1 Extinguishing Media

Suitable extinguishing media:	Water spray, Carbon dioxide (CO <sub>2</sub> ), Alcohol-Resistant Foam, Dry Chemical, Sand
Unsuitable extinguishing media:	Water Jet

#### 5.2 Special hazards arising from the product

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. Exposure to decomposition products can be a hazard to health.
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#### 5.3 Advice for firefighters

Special protective equipment for firefighters:	Wear self-contained breathing apparatus and full protective suit. Wear neoprene gloves during cleaning up work after a fire. Cool endangered containers with water.
Further information:	This material does not present any unusual fire or explosion hazards.

### SECTION 6 ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal precautions, protective equipment, and emergency procedures

Personal precautions: No special measures required.

#### 6.2 Environmental Precautions

Environmental Precautions	Prevent material from entering sewers or surface waters.
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#### 6.3 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

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material to improve traction.

**6.4 Reference to other sections**

For disposal instructions see section 13.

**SECTION 7 HANDLING AND STORAGE**

**7.1 Precautions for safe handling**

Advice on safe handling: No special measures required.

Advice on protection against fire and explosion: No special precautions against fire and explosion required.

**7.2 Conditions for safe storage, including any incompatibilities**

Requirements for storage areas and containers: None known

Advice on common storage: None known

Storage temperature: Store in a dry and cool place

Other data: Keep container tightly closed

**SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

**8.1 Control Parameters**

Limit Values: Associate substances with specific control parameters (limit values): None known

**8.2 Exposure Controls**

Engineering measures Ventilation: Use with adequate ventilation  
 Local Exhaust: Not necessary

Respiratory protection Not normally required

Eye protection: Recommendation: Safety glasses with side shields

Hand protection: Recommendation: Any liquid-tight rubber or vinyl gloves

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Other protective clothing or equipment:	Additional protective clothing or equipment is not normally required.  Provide eye bath and safety shower
Hygiene measures:	When handling do not eat, drink, smoke or apply cosmetics.  Wash thoroughly after handling.

#### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

##### 9.1 Information on basic physical and chemical properties

<b>Appearance:</b>	Off-white	<b>Lower Explosion Limit (LOL):</b>	Not applicable
<b>Physical state:</b>	Paste	<b>Upper Explosion Limit (UEL):</b>	Not applicable
<b>Odour:</b>	Odourless	<b>Vapour Pressure</b>	Not applicable
<b>Odour Threshold:</b>	Not applicable	<b>Decomposition Temperature:</b>	Not applicable
<b>Partition Coefficient: n-octanol water</b>	Not applicable	<b>Vapour Density:</b>	Not applicable
<b>Melting Point/melting range:</b>	Not applicable	<b>Density</b>	1.30g/m <sup>3</sup>
<b>Boiling Point/boiling range:</b>	Not applicable	<b>Water solubility/miscibility:</b>	Virtually insoluble
<b>Flash Point:</b>	Not applicable	<b>pH-Value:</b>	Not applicable
<b>Ignition Temperature:</b>	Not determined	<b>Viscosity (Dynamic):</b>	Not applicable
<b>Evaporation Rate:</b>	Not applicable		

#### SECTION 10 STABILITY AND REACTIVITY

<b>10.1 Reactivity:</b>	Component A - stable under normal conditions of use. Catalysed cured putty - stable under normal conditions of use.
<b>10.2 Chemical stability:</b>	Component A - stable under normal conditions of use. Catalysed cured putty - stable under normal conditions of use.
<b>10.3 Possible hazardous reactions:</b>	Component A – none known (hazardous polymerisation cannot occur). Catalysed cured putty – none known (hazardous polymerisation cannot occur).
<b>10.4 Conditions to avoid:</b>	Component A – none known. Catalysed cured putty – none known.
<b>10.5 Incompatible materials:</b>	Component A – none known. Catalysed cured putty – none known.

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**10.6 Hazardous decomposition products:** Component A – 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. Catalysed cured putty – Decomposition products could include carbon monoxide, carbon dioxide and silicon dioxide.

#### SECTION 11 TOXICOLOGICAL INFORMATION

##### 11.1 Information on toxicological effects

###### Toxicological testing has not been conducted with this material

Acute oral toxicity	Assessment:	For this endpoint no toxicological test data is available for the whole product
Skin irritation	Assessment:	For this endpoint no toxicological test data is available for the whole product
Eye irritation	Assessment:	For this endpoint no toxicological test data is available for the whole product
Sensitisation	Assessment:	For this endpoint no toxicological test data is available for the whole product
Germ cell matagenicity	Assessment:	For this endpoint no toxicological test data is available for the whole product
Carcinogenicity assessment	Assessment:	For this endpoint no toxicological test data is available for the whole product
Toxicity to reproduction assessment	Assessment:	For this endpoint no toxicological test data is available for the whole product
STOT-Single exposure	Assessment:	For this endpoint no toxicological test data is available for the whole product
STOT-Repeated exposure	Assessment:	For this endpoint no toxicological test data is available for the whole product
Aspiration hazard	Assessment:	Based on the physical-chemical properties of the product no aspiration hazard must be expected.

#### SECTION 12 ECOLOGICAL INFORMATION

<b>12.1 Toxicity</b>	Assessment:	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>12.2 Persistence and degradability</b>	Assessment:	Biologically not degradable. Insoluble in water. Separation by sedimentation.
<b>12.3 Bio-accumulative potential</b>	Assessment:	No adverse effects expected.
<b>12.4 Mobility in soil</b>	Assessment:	Insoluble in water. No adverse effects expected.
<b>12.5. Results of PBT and vPvB assessment</b>	Assessment:	None known
<b>12.6. Other adverse effects Additional</b>	Assessment:	None known.

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ecological  
 information

**SECTION 13 DISPOSAL CONSIDERATIONS**

**13.1 Product Disposal**

Recommendations: Material that cannot be used or chemically reprocessed should be disposed of at an approved facility in accordance with any applicable governmental regulations.

**13.2 Packaging Disposal:**

Recommendations: Containers should be completely emptied before recycling as specified in government regulations. Empty containers should be sent to an approved recycling facility.

**SECTION 14 TRANSPORT INFORMATION**

	<b>14.1</b>	<b>14.2</b>	<b>14.3</b>	<b>14.4</b>	<b>14.5</b>
	<b>UN Number</b>	<b>Proper Shipping Name</b>	<b>Transport Hazard Class(es)</b>	<b>Packing Group</b>	<b>Environmental Hazards</b>
DOT/TDG	Not Applicable	Not Applicable	Not Applicable	Not Applicable	None
ADR	Not Applicable	Not Applicable	Not Applicable	Not Applicable	None
IATA-DGR/ICAO	Not Applicable	Not Applicable	Not Applicable	Not Applicable	None
IMO/IMDG	Not Applicable	Not Applicable	Not Applicable	Not Applicable	None
<b>14.6 Special precautions for user:</b>	Not classified as dangerous in the meaning of transport.				
<b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:</b>	Not applicable				

**SECTION 15 REGULATORY INFORMATION**

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

**USA**

**TSCA Inventory Status and Information:**

This material or its components are listed on or are in compliance with the requirements of the TSCA Chemical Substance Inventory.

**TSCA 12(b) Export Notification:**

This material does not contain any TSCA 12(b) regulated chemicals.

**CERCLA Regulated Chemicals:**

This material does not contain any CERCLA regulated chemicals.

**SARA Title III**



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**SARA 302 EHS Chemicals** This material does not contain any SARA Extremely hazardous substances.

**SARA 311/312 Hazard** This product does not present any SARA 311/312 hazards.

**SARA 313 Chemicals:** This material does not contain any SARA 313 chemicals above of minimum levels.

**HAPS (Hazardous Air Pollutants)** 108-88-3 Toluene

**15.2 U.S. State Regulations**

**California Proposition 65 Carcinogens**

13463-67-7 Titanium dioxide  
 14808-60-7 Quartz

**California Proposition 65 Reproductive Toxins**

108-88-3 Toluene

**Massachusetts Substance List**

112945-52-5 Silica, amorphous, fumed  
 14808-60-7 Quartz  
 8042-47-5 Mineral Oil

**New Jersey Right-to-Know Hazardous Substance List**

112945-52-5 Silica, amorphous, fumed  
 14808-60-7 Quartz

**Pennsylvania Right-to-Know Hazardous Substance List**

112945-52-5 Silica, amorphous, fumed  
 14808-60-7 Quartz  
 8042-47-5 Mineral Oil

**15.3 Canadian Regulations**

This product has been classified in accordance with the Hazard criteria of the CPR and the SDS contains all the information required by the CPR.

**WHMIS Hazard Classes:** None

**DSL Status:** This material or its components are listed on the Canadian Domestic Substances List

**Canadian Ingredient Disclosure List**

112945-52-5 Silica, amorphous, fumed  
 14808-60-7 Quartz

**15.4 Other International Regulations**

**EC Classification for the Substance/Preparation** This product is not classified as dangerous according to Directive 1999/45/EC and its amendments.

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**Symbol:**  
**German Water Hazard Class:** German Water Hazard Class WGK nwg. Non-water polluting substance.  
**Class:**  
**Other regulations:** 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

#### Details of International Registration Status

Listed on or in accordance with the following inventories:

DSL	Canada
TSCA	USA
AICS	Australia
IECSC	China
ECL	Korea
EINECS	Europe
PICCS	Philippines

#### SECTION 16 OTHER INFORMATION

##### Preparation Information:

**Prepared by:** Green Belting Industries Limited  
[www.greenbelting.com](http://www.greenbelting.com)

**Revision Date:** January 1, 2016

**Revision Summary:** Updated EU contact info

##### Abbreviations and acronyms:

Section	Abbreviation	Description
2	CFR	Code of Federal Regulations
2	HAPS	Hazardous Air Pollutants
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
6	HAZWOPER	Hazardous Waste Operations and Emergency Response
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

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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	TDG	Transport of Dangerous Goods
14	DER	Dangerous Goods Regulations
14	MARPOL	International Convention for the Prevention of Pollution From Ships
14	IBC	International Building Code
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	DSL	Domestic Substance List
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
16	AICS	Australian Inventory of Chemical Substances
16	IECSC	Inventory of Existing Chemical Substances Produced or Imported in China
16	ECL	Existing Chemicals Inventory
16	EINECS	European Inventory of Existing Commercial chemical Substances
16	PICCS	Philippines Inventory of Chemicals and Chemical Substances
<b>Disclaimer:</b>	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.	