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safety data sheet
100% SILICONE SEALANT-MASTIC

IMPER GUARD

1. Identification

Product identifier	100% SILICONE SEALANT-MASTIC
Product code	IG8500
Other means of identification	Sealant.
Recommended use of the chemical and restrictions on use	Sealant. For exterior use only. Do not use indoors.
Distributor	IMPER GUARD 114, 2e Ave, Portneuf, Québec Canada G0A 2Y0 Tel. 418-285-0090 https://imperguard.com/
Emergency phone number	Imper Guard: 418-285-0090 Monday to Friday, 8:00 AM to 5:00 PM Quebec Poison Center: 1-800-463-5060 Canada Poison Center: 1-844-764-7669.

2. Hazard identification

Summary	Avoid contact with the skin, eyes and clothing. Do not inhale vapors, mists or spray. Do not ingest. If medical advice is needed, have this SDS or label at hand. Wear eye protection, gloves and other protective clothing that are adapted to the task being performed and the risks involved.

WHMIS/GHS/OSHA HCS



Acute toxicity, dermal (Category 4)
Skin sensitizer (Category 1)
Carcinogenicity (Category 1A)
Specific target organ toxicity, repeated exposure (Category 1)

DANGER
H350: May cause cancer
H372: Causes damage to organs through prolonged or repeated exposure
H312: Harmful in contact with skin
H317: May cause an allergic skin reaction
P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P260: Do not breathe mist, vapours and spray.
P264: Wash face, hands and any exposed skin thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P272: Contaminated work clothing should not be allowed out of the workplace.
P280: Wear protective gloves, protective clothing, eye protection and face protection.
P308+P313: IF exposed or concerned: Get medical attention.
P302+P352: IF ON SKIN: Wash with plenty of water and soap.
P333+P313: If skin irritation or rash occurs: Get medical attention.

P312: Call a POISON CENTER or doctor if you feel unwell.
P362+P364: Take off contaminated clothing and wash it before reuse.
P405: Store locked up.
P501: Dispose of contents and container to an approved waste disposal plant.

3. Composition/information on ingredients

Chemical name	Common name and synonyms	CAS	Weight % content
Siloxanes and Silicones, di-Me, hydroxy-terminated	Hydroxy-terminated PDMS	70131-67-8	30 - 50 %
Crystalline silica, Quartz	Silicon dioxide, quartz	14808-60-7	30 - 50 %
2-Butanone, O,O',O''-(methylsilylidyne)trioxime	Methyltris(methylethylketoxime)silane, MTMES	22984-54-9	0 - 10 %
Titanium dioxide	Titanium white	13463-67-7	0 - 10 %
Synthetic amorphous fumed silica	Pyrogenic silica	112945-52-5	0 - 10 %

Note: Percentage of components whose acute toxicity by skin contact is unknown: 51%. The manufacturer withholds the actual concentration range of the ingredients as a trade secret.

4. First-aid measures

Inhalation	Move person to fresh air. If breathing is difficult, give oxygen by trained personnel. If not breathing, give artificial respiration. If a problem develops or persists, seek medical attention.
Skin contact	Wash skin with warm water and mild soap for at least 15 minutes. Remove contaminated clothing and wash before reuse. If a problem develops or persists, seek medical attention.
Eye contact	Flush with water for at least 15 minutes. Remove contact lenses if easy to do. Lift eyelids to rinse properly. If a problem develops or persists, seek medical attention.
Ingestion	DO NOT induce vomiting, unless recommended by medical personnel. Never give anything by mouth if victim is unconscious or convulsing. If victim is conscious wash out mouth with plenty of water. If spontaneous vomiting occurs, keep head below hip level to prevent aspiration into the lungs. Seek medical attention or contact a Poison Centre immediately.
Other	No information available.
Symptoms	May cause slight irritation to skin. May cause an allergic reaction of the skin.
Notes to the physician	Treat according to person's condition and specifics of exposure. If gastric lavage is performed, suggest endotracheal and/or esophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

5. Fire-fighting measures

Suitable extinguishing media	Use an extinguishing agent appropriate for the surrounding fire.
Unsuitable extinguishing media	Do not use a heavy water jet.
Specific hazards arising from the	Hazardous fumes, gases or vapors may evolve on burning.

chemical	
Hazardous combustion products	Carbon oxides (COx), silicon oxides (SiOx), nitrogen oxides (NOx).
Special protective equipment	Firefighters must wear self contained breathing apparatus with full face mask. Firefighting suit may not be efficient against chemicals.
Special protective actions for fire-fighters	Prevent run-off from fire control or dilution from entering streams, sewers or drinking water supply.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Do not touch damaged containers or spilled material. Make sure to wear personal protective equipment mentioned in this Safety Data Sheet.
Environmental precautions	Prevent product from entering drains and release to the environment. For a large spill, consult the Department of Environment or the relevant authorities.
Methods and materials for containment and cleaning up	Ventilate the area well. Stop leak, if it's possible to do so without risk. Absorb with inert material (soil, sand, vermiculite) and place in an appropriate waste disposal clearly identified. Finish cleaning the contaminated surface by rinsing with water. Dispose via a licensed waste disposal contractor.

7. Handling and storage

Precautions for safe handling	Use outdoors only! Avoid contact with the skin, eyes and clothing. Do not inhale vapors, mists or spray. Wear eye protection, gloves, respiratory protection and other protective clothing that are adapted to the task being performed and the risks involved. Keep containers tightly closed when not in use. Do not eat, do not drink and do not smoke during use. After use, wash hands with soap and water. Wash contaminated clothing before reuse.
Conditions for safe storage, including any incompatibilities	Store tightly closed and in properly labelled containers in a cool, dry and well ventilated place. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Store away from direct sunlight. Keep away from freezing.
Storage temperature	5 to 35°C (41 to 95°F)

8. Exposure controls/personal protection

Immediately Dangerous to Life or Health	Crystalline silica, quartz: 50 mg/m3. Titanium dioxide: 5000 mg/m3.

Crystalline silica, Quartz	TWA (8h)	Respirable Dust	0.025 mg/m^3	ACGIH , BC
		Respirable Dust	0.05 mg/m^3	RSST
		Respirable Dust	0.1 mg/m^3	ON
Titanium dioxide	TWA (8h)	Total Dust	10 mg/m^3	ACGIH , BC, ON, RSST
Synthetic amorphous fumed silica	TWA (8h)	Respirable Dust	1.5 mg/m^3	BC
		Respirable Dust	3 mg/m^3	ACGIH , ON
		Total Dust	4 mg/m^3	BC
		Respirable Dust	6 mg/m^3	RSST
		Total Dust	10 mg/m^3	ACGIH , ON

Appropriate engineering controls	Provide sufficient mechanical ventilation (general or local exhaust) to keep the airborne concentrations of vapours, mists, aerosols or dust below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are close to the workstation.
Individual protection measures	
Eye	Wear safety glasses. If there is a risk of contact with eyes, wear chemical splash goggles.
Hands	Wear nitrile or neoprene gloves. Before using, user should confirm impermeability. Discard gloves with tears, pinholes, or signs of wear. Gloves must only be worn on clean hands. Wash gloves with water before removing them. After using gloves, hands should be washed and dried thoroughly.
Skin	Personal protective equipment for the body should be selected based on the task being performed and the risks involved. Wear normal work clothing covering arms and legs as required by employer code.
Respiratory	Where the conditions in the workplace require a respirator, it is necessary to follow a respiratory protection program. Moreover, respiratory protection equipment (RPE) must be selected, fitted, maintained and inspected in accordance with regulations and standard 29 CFR 1910.134 (OSHA), ANSI Z88.2 or CSA Z 94.11 (Canada) and approved by NIOSH/MSHA.
Feet	


Safety glasses


Nitrile gloves

9. Physical and chemical properties

Physical state	Liquid (Gel, paste)	**Flammability**	Non-flammable
Colour	N/Av.	**Flammability limits**	N/Ap.
Odour	Peppermint	**Flash point**	>100°C (212°F) Setaflash
Odour threshold	N/Av.	**Auto-ignition temperature**	>300°C (572°F)
pH	N/Ap.	**Sensibility to electrostatic charges**	No
Melting point	N/Av.	**Sensibility to sparks and/or friction**	No
Freezing point	N/Av.	**Vapour density**	Und. (Air = 1)
Boiling point	>100°C (212°F)	**Relative density**	1.38 kg/L (Water = 1)
Solubility	Insoluble in water	**Partition coefficient n-octanol/water**	Und.
Evaporation rate	N/Av.	**Decomposition temperature**	N/Av.
Vapour pressure	Und.	**Viscosity**	N/Av.
Percent Wt. Volatile	N/Av.	**Molecular mass**	N/Ap.
VOC (g/L)	<50 g/L	**% Volume Volatile (VOC)**	N/Av.
VOC (lb/gal)	N/Av.	**% Wt. Volatile (VOC)**	N/Av.
Particle characteristics	Particle size: N/Ap.		

N/Av.: Not Available N/Ap.: Not Applicable Und.: Undetermined N/E: Not Established

10. Stability and reactivity

Reactivity	No information available.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions (including polymerizations)	A dangerous reaction will not occur.
Conditions to avoid	None reported.
Incompatible materials	No incompatible substance known.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

Numerical measures of toxicity

Crystalline silica, Quartz	Ingestion	500 mg/kg	Rat	LD50
		15000 mg/kg	Human	
Siloxanes and Silicones, di-Me, hydroxy-terminated	Ingestion	>62080 mg/kg	Rat	LD50
	Skin	>15520 mg/kg	Rabbit	LD50
2-Butanone, O,O',O''-(methylsilylidyne)trioxime	Ingestion	2463 mg/kg	Rat	LD50
	Skin	>2000 mg/kg	Rat	LD50
Titanium dioxide	Ingestion	10000 mg/kg	Rat	LD50
	Inhalation	6.82 mg/l/4h	Rat	LC50
	Skin	10000 mg/kg	Rabbit	LD50
Synthetic amorphous fumed silica	Ingestion	>5000 mg/kg	Rat	LD50
	Inhalation	>2.08 mg/l/4h	Rat	LC50
	Skin	>5000 mg/kg	Rabbit	LD50

Likely routes of exposure: Skin, eyes, inhalation, ingestion.

Delayed, immediate and chronic effects

Eye contact: No data are available on the product itself.

Skin contact: Harmful in contact with skin. May cause slight irritation to skin. Repeated or prolonged contact may cause an allergic reaction in certain sensitive individuals.

Inhalation: Repeated or prolonged exposure to dust may cause silicosis or lung cancer.

Ingestion: No data are available on the product itself.

Respiratory or skin sensitization: Potential sensitization by skin contact. This product is not a respiratory sensitizer.

IARC/NTP Classification

Chemical name	IARC	NTP
Crystalline silica, Quartz	1	K
Titanium dioxide	2B	-

IARC : 1- Carcinogenic; 2A- Probably carcinogenic; 2B- Possibly carcinogenic.
NTP : K- Known to be carcinogens; R- Reasonably anticipated to be carcinogens.

Carcinogenicity: May cause cancer by inhalation of dust. The risk of cancer depends on duration and level of exposure.

Mutagenicity: Ingredients in this product present at levels greater than or equal to 0.1% are not known to cause mutagenic effects.

Reproductive toxicity: Ingredients in this product present at levels greater than or equal to 0.1% are not known to cause reproduction effects.

Specific target organ toxicity - single exposure: No target organ is listed.

Specific target organ toxicity -: Lungs.

	repeated exposure
Interactive effects	No information available.
Other information	The skin acute toxicity estimates (ATE) of the mixture was calculated to be greater than 1000 mg/kg but lower than 2000 mg/kg. This value is classified according to GHS: Acute toxicity, dermal (Category 4). The oral acute toxicity estimate (ATE) of the mixture was calculated to be greater than 2000 mg/kg. The acute toxicity estimate (ATE) by inhalation of the mixture was calculated to be greater than 20 mg/L/4h. These values are not classified according to WHMIS 2015 and OSHA HCS 2012.

12. Ecological information

Ecological toxicity	Fish - Pimephales promelas (fathead minnow)	LC50	>500 mg/L; 96 h (CAS no 13463-67-7)
	Aquatic invertebrates - Daphnia magna (water flea)	EC50	>1000 mg/L; 48 h (CAS no 13463-67-7)
	Aquatic Invertebrates - Daphnia magna (water flea)	EC50	>10000 mg/L; 24 h (CAS no 112945-52-5)
Persistence	No information available.		
Degradability	No information available.		
Bioaccumulative potential	No information available.		
Mobility in soil	No information available.		
Other adverse effects	This chemical does not deplete the ozone layer.		

13. Disposal considerations

Container 	Important! Prevent waste generation. Use in full. DO NOT dispose residue in sewers, streams or drinking water supply. Residues: Dispose via a licensed waste disposal contractor. Observe all federal, state/provincial and municipal regulations. If necessary consult the Department of Environment or the relevant authorities.

14. Transport information

UN Number	UN N/A
UN Proper Shipping Name	Not regulated by TDG (Canada) and 49 CFR DOT (USA).
Environmental hazards	This material does not contain marine pollutant.
Special precautions for user	No additional information.
TDG - Transportation of Dangerous Goods (Canada & US DOT)	
Transport hazard class(es)	Not regulated
Packing group	Not regulated
2024 Emergency Response Guidebook	N/A
IMO/IMDG - International Maritime Transport	

Classification	Not regulated
IATA - International Air Transport Association	
Classification	Not regulated

These transportation classifications are provided as a customer service. As the shipper YOU remain responsible for complying with all applicable laws and regulations, including proper transportation classification and packaging. In addition, if a domestic exemption exists, it is the responsibility of the shipper to define the application of it.

15. Regulatory information

CANADA

Chemical name	CAS	CEPA	DSL	NDSL	NPRI
Siloxanes and Silicones, di-Me, hydroxy-terminated	70131-67-8	X	X		
Crystalline silica, Quartz	14808-60-7		X		
2-Butanone, O,O',O''-(methylsilylidyne)trioxime	22984-54-9		X		
Titanium dioxide	13463-67-7	X	X		
Synthetic amorphous fumed silica	112945-52-5		X		

- CEPA: List of Toxic Substances Managed Under Canadian Environmental Protection Act
- DSL: Domestic Substances List Inventory
- NDSL: Non-Domestic Substances List Inventory
- NPRI: National Pollutant Release Inventory Substances

UNITED STATE OF AMERICA

Chemical name	CAS	TSCA	CER CLA	EPCRA 313	EPCRA 302/304	CAA 112(b) HON	CAA 112(b) HAP	CAA 112(r)	CWA 311	CWA Prio.
Siloxanes and Silicones, di-Me, hydroxy-terminated	70131-67-8	X								
Crystalline silica, Quartz	14808-60-7	X								
2-Butanone, O,O',O''-(methylsilylidyne)trioxime	22984-54-9	X								
Titanium dioxide	13463-67-7	X								
Synthetic amorphous fumed silica	112945-52-5	X								

- TSCA: Toxic Substance Control Act
- CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act list of hazardous substances
- EPCRA 313: Emergency Planning and Community Right-to-Know Act, Section 313 Toxic Chemicals
- EPCRA 302/304: Emergency Planning and Community Right-to-Know Act, Section 302/304 Extremely Hazardous Substances
- CAA 112(b) HON: Clean Air Act - Hazardous Organic National Emission Standard for Hazardous Air Pollutant
- CAA 112(b) HAP: Clean Air Act - Hazardous Air Pollutants lists pollutants
- CAA 112(r): Clean Air Act - Regulated Chemicals for Accidental Release Prevention
- CWA 311: Clean Water Act - List of Hazardous Substances
- CWA Priority: Clean Water Act - Priority Pollutant list

California Proposition 65

Chemical name	CAS	Cancer	Reproductive and Developmental Toxicity
Crystalline silica, Quartz	14808-60-7	X	
Titanium dioxide	13463-67-7	X	

Other regulations	

	

16. Other information

Date (YYYY-MM-DD)	IMPER GUARD 2026-10-06
Version	02
Other information	- The hazard classification in this document (section 2) is taken from the manufacturer's original version. REFERENCES: - Service du répertoire toxicologique de la Commission des normes, de l'équité, de la santé et de la sécurité du travail (CNESST), https://www.cnesst.gouv.qc.ca/en - The National Center for Biotechnology Information, National Institutes of Health (NIH), U.S. National Library of Medicine, https://pubchem.ncbi.nlm.nih.gov - European Chemical Agency ECHA, https://echa.europa.eu/information-on-chemicals DATE OF FIRST VERSION OF SDS: 2025-09-16. CHANGES MADE IN THE VERSION 02: sections 1, 3, 5, 7, 9 and 16. ACGIH: American Conference of Governmental Industrial Hygienists AIHA: American Industrial Hygiene Association HMIS: Hazardous Materials Identification System NFPA: National Fire Protection Association OSHA: Occupational Safety and Health Administration (USA) NIOSH: National Institute for Occupational Safety and Health NTP: National Toxicology Program RSST: Règlement sur la santé et la sécurité du travail (Québec) GHS: Globally Harmonized System IARC: International Agency for Research on Cancer IDLH: Immediately Dangerous to Life or Health STEL: Short Term Exposure Limit (15 min) TWA: Time Weighted Averages WHMIS: Workplace Hazardous Materials Information System To the best of our knowledge, the information contained herein is accurate. However, neither Preventis System, nor the above named supplier, nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.