



Safety Data Sheet

MIRAGLASS© - MIRAGRIT© - Miracem© - Mirapaint© - Miraplast©

1. Identification

Product identifier: MIRAGLASS© - MIRAGRIT© - Miracem© - Mirapaint© - Miraplast©
Product code: MX, GR, BR, BK, WH, BL, CL, PL, C, L, X
Supplier Name: Les Produits Verglass Inc.
14555, rue Joseph Marc Vermette
Mirabel, (Québec)
Canada, J7J 1X2
Telephone: 450 434-3777
Emergency tel. number: 450 434-3777
Available hours: 8h-17h Monday to Friday
Recommended use: Filler for coatings, plastics, concrete. Support for roof pellets, filter material, abrasive spray, etc.
Restriction on use: Not applicable

2. Hazard identification

Signal word: NONE

Product classification:



This product is not regulated under WHMIS 2015 and Hazcom 2012

Hazard statement(s): This product is not an hazardous material.

Precautionary statement(s)

Prevention: Wear protective gloves, protective clothing, eye and face protection.

Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

Storage: Not applicable.

Disposal: Dispose of contents/container in accordance with local, regional, national and/or international regulations in force.

Other hazards: Not applicable.

See toxicological information, section 11



Safety Data Sheet

MIRAGLASS© - MIRAGRIT© - Miracem© - Mirapaint© - Miraplast©

3. Composition/ Information on ingredients

No	CAS No :	Common name and synonyms	Concentration % (w/w)
1	65997-17-3	Glass oxides, amorphous. Sodium, calcium, magnesium and silica polyphosphate. Soda lime borosilicate, amorphous glass	100.00

4. First-aid measures

If swallowed, irritation, any type of overexposure or symptoms of overexposure occur during use of the product or persists after use, immediately contact a POISON CENTER, an EMERGENCY ROOM or a PHYSICIAN; ensure that the product safety data sheet is available.

Eye contact: Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention as soon as possible.

Skin contact: Remove contaminated clothing immediately. Wash the skin with soap and water. Thoroughly wet contaminated clothing. If irritation persists, consult a doctor.

Inhalation: Move exposed person to fresh air. Keep this person warm and lying down. Loosen tight clothing such as a collar, tie, belt or waistband. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention immediately.

Ingestion: Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Symptoms: Cough, breathing pain, eye redness.

Effects (acute or delayed): Dust from the product may cause mechanical irritation of the eyes and respiratory tract.

Immediate medical attention and special treatment: No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5. Fire-fighting measures

Suitable extinguishing media: Use dry chemical, CO₂, water spray (fog) or foam.

Unsuitable extinguishing media: Jets of water can facilitate the spread of fire.

Specific hazards arising from the hazardous product: No specific hazard.

Hazardous combustion products: Sodium oxides. Calcium oxides. Phosphorus oxide. Magnesium oxides.

Special protective equipment and precautions for fire-fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.



Safety Data Sheet

MIRAGLASS© - MIRAGRIT© - Miracem© - Mirapaint© - Miraplast©

6. Accidental release measures

Personal precautions: No action shall be taken involving any personal risk or if you do not have suitable training or protection. Shut off all heating and ignition sources. Avoid breathing vapor or mist. Put on appropriate personal protective equipment (see Section 8).

Protective equipment and emergency procedures: Avoid dispersal of spilled material, runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution. Use inert absorbent or retention tubes in the event of a large spill.

Methods and materials for containment and cleaning up: Stop leak if without risk. Move containers from spill area. Contain leaks and pick up with non-combustible absorbent materials such as sand, earth or vermiculite. Then, place in an appropriate waste disposal container according to local regulations. Dispose of via a licensed waste disposal contractor.

7. Handling and storage

Precautions for safe handling: Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Avoid exposure - obtain special instructions before use. Avoid contact with eyes, skin and clothing. Do not ingest. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Conditions for safe storage: Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Incompatibility: None known.

8. Exposure Controls/ Personal protection

Alberta

No	CAS No :	Common name and synonyms	8-hour occupational exposure limit (TWA)		15-minute occupational exposure limit (STEL)		Ceiling occupational exposure limit	
			ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
1	65997-17-3	Glass oxides, amorphous. Sodium, calcium, magnesium and silica polyphosphate. Soda lime borosilicate, amorphous glass	N/A	N/A	N/A	N/A	N/A	N/A

British-Columbia

No	CAS No :	Common name and synonyms	8-hour occupational exposure limit (TWA)		15-minute occupational exposure limit (STEL)		Ceiling occupational exposure limit	
			ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
1	65997-17-3	Glass oxides, amorphous. Sodium, calcium, magnesium and silica polyphosphate. Soda lime borosilicate, amorphous glass	N/A	N/A	N/A	N/A	N/A	N/A



Safety Data Sheet

MIRAGLASS© - MIRAGRIT© - Miracem© - Mirapaint© - Miraplast©

Ontario

No	CAS No :	Common name and synonyms	8-hour occupational exposure limit (TWA)		15-minute occupational exposure limit (STEL)		Ceiling occupational exposure limit	
			ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
1	65997-17-3	Glass oxides, amorphous. Sodium, calcium, magnesium and silica polyphosphate. Soda lime borosilicate, amorphous glass	N/A	N/A	N/A	N/A	N/A	N/A

Quebec

No	CAS No :	Common name and synonyms	8-hour occupational exposure limit (TWA)		15-minute occupational exposure limit (STEL)		Ceiling occupational exposure limit	
			ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
1	65997-17-3	Glass oxides, amorphous. Sodium, calcium, magnesium and silica polyphosphate. Soda lime borosilicate, amorphous glass	N/A	N/A	N/A	N/A	N/A	N/A

Saskatchewan

No	CAS No :	Common name and synonyms	8-hour occupational exposure limit (TWA)		15-minute occupational exposure limit (STEL)		Ceiling occupational exposure limit	
			ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
1	65997-17-3	Glass oxides, amorphous. Sodium, calcium, magnesium and silica polyphosphate. Soda lime borosilicate, amorphous glass	N/A	N/A	N/A	N/A	N/A	N/A

United States

No	CAS No :	Common name and synonyms	IDLH NIOSH	Regulatory Limits			Recommended Limits	
				OSHA PEL		California / OSHA PEL	NIOSH REL	ACGIH ® 2019 TLV ®
				ppm	mg/m ³	8-hour TWA (ST) STEL (C) Ceiling	Up to 10-hour TWA (ST) STEL (C) Ceiling	8-hour TWA (ST) STEL (C) Ceiling
1	65997-17-3	Glass oxides, amorphous. Sodium, calcium, magnesium and silica polyphosphate. Soda lime borosilicate, amorphous glass	N/A	N/A	N/A	N/A	N/A	N/A

IDHL: Immediately Dangerous to Life or Health Concentrations

NIOSH: National Institute for Occupational Safety and Health

OSHA: Occupational Safety and Health Administration

PEL: Permissible Exposure Limits

California / OSHA: California Division of Occupational Safety and Health

REL: Recommended Exposure Limits

ACGIH ®: American Conference of Governmental Industrial Hygienists

TLV ®: Threshold Limit Values

Appropriate engineering controls: N/A

Individual protection measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using



Safety Data Sheet

MIRAGLASS© - MIRAGRIT© - Miracem© - Mirapaint© - Miraplast©

the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eyes: DO NOT WEAR CONTACT LENSES Wear anti-splash safety goggles.

Hands: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties.

Respiratory: If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Others: Wear protective clothing with long sleeves and appropriate safety shoes at all times.

9. Physical and chemical properties

Physical state: Solid

Colour: Various

Odour: Odourless

Odour threshold: Not applicable

pH: Not applicable

Melting/Freezing point: Not applicable

Initial boiling point/boiling range: Not applicable

Flash point: Not applicable

Flammability (Solid, Gas): Not applicable

Lower flammable/explosive limit: Not applicable

Upper flammable/explosive limit: Not applicable

Auto-ignition temperature: Not applicable

Evaporation rate: Not applicable

Vapour pressure: Not applicable

Vapour density: Not applicable

Specific gravity: 2,531 kg/L at 20 °C (water = 1)

Solubility in water: Insoluble

Partition coefficient – n-octanol/water (Log Kow): Not applicable

Decomposition temperature: Not available

Kinematic viscosity: Not applicable

10. Stability and reactivity

Reactivity: Stable under recommended conditions of storage and handling.

Chemical stability: The product is chemically stable under normal conditions of use.

Possibility of hazardous reactions: No dangerous or polymerization reactions will not occur under normal conditions of use.

Conditions to avoid: Not applicable

Incompatible materials: None known.

Hazardous decomposition products: Sodium oxides. Calcium oxides. Phosphorus oxide. Magnesium oxides.



Safety Data Sheet

MIRAGLASS© - MIRAGRIT© - Miracem© - Mirapaint© - Miraplast©

11. Toxicological information

	Oral	Dermal	Inhalation gases	Inhalation vapours	Inhalation dusts/mists
ATE _{mix}	> 5 000 mg/kg	> 5 000 mg/kg	N/A	N/A	> 5 mg/l

No	CAS No :	Common name and synonyms	LD ₅₀ oral mg/kg	LD ₅₀ skin mg/kg	LC ₅₀ inhalation ppmV 4h - gases	LC ₅₀ inhalation mg/l 4h - vapours	LC ₅₀ inhalation mg/l 4h - dusts-mist
1	65997-17-3	Glass oxides, amorphous. Sodium, calcium, magnesium and silica polyphosphate. Soda lime borosilicate, amorphous glass	> 2000	> 2000	N/A	N/A	> 5.00

Routes of exposure: This product is not absorbed in the body.

Symptoms: Cough, breathing pain, eye redness.

Delayed and immediate effects: Dust from the product may cause mechanical irritation of the eyes and respiratory tract.

Aspiration hazard	N/A
Skin corrosion - Skin irritation	N/A
Serious eye damage - Serious eye irritation	N/A
Skin sensitization	N/A
Respiratory sensitization	N/A
Specific target organ toxicity – single exposure	N/A
Specific target organ toxicity – single exposure Category 3 Narcotic effects	N/A
Specific target organ toxicity – single exposure Category 3 Respiratory tract irritation	N/A
Specific target organ toxicity – repeated exposure	N/A

No	CAS No :	Common name and synonyms	IARC	ACGIH	Mutagenicity	Effect on reproduction
1	65997-17-3	Glass oxides, amorphous. Sodium, calcium, magnesium and silica polyphosphate. Soda lime borosilicate, amorphous glass	N/A	N/A	No effects shown.	No effects shown.

Cancer classification under IARC (International Agency for Research on Cancer)

Group 1: carcinogenic to humans.

Group 2A: probably carcinogenic to humans.

Group 2B: possibly carcinogenic to humans.

Group 3: not classifiable as to its carcinogenicity to humans.

Group 4: probably not carcinogenic to humans.



Safety Data Sheet

MIRAGLASS© - MIRAGRIT© - Miracem© - Mirapaint© - Miraplast©

Cancer classification under ACGIH (American Conference of Governmental Industrial Hygienists)

Group A1: confirmed human carcinogen.

Group A2: suspected human carcinogen.

Group A3: confirmed animal carcinogen with unknown relevance to humans.

Group A4: not classifiable as a human carcinogen.

Group A5: not suspected as a human carcinogen.

12. Ecological information

Ecotoxicity

No	CAS No :	Common name and synonyms	%	Aquatic Ecotoxicity short term	Aquatic Ecotoxicity long term	Terrestrial Ecotoxicity
1	65997-17-3	Glass oxides, amorphous. Sodium, calcium, magnesium and silica polyphosphate. Soda lime borosilicate, amorphous glass	100.00	No known adverse effect to aquatic life.	No known adverse effect to aquatic life.	No known adverse effect to the environment.

Persistence and degradability. Bioaccumulative potential. Other adverse effects

No	CAS No :	Common name and synonyms	%	Persistent	Bio-accumulation	Aquatic ecotoxicity
1	65997-17-3	Glass oxides, amorphous. Sodium, calcium, magnesium and silica polyphosphate. Soda lime borosilicate, amorphous glass	100.00	Yes	No	No

Degradability: N/A

Mobility in soil: N/A

13. Disposal considerations

Methods of disposal: The generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.



Safety Data Sheet

MIRAGLASS© - MIRAGRIT© - Miracem© - Mirapaint© - Miraplast©

14. Transport information

	TDG	DOT	IMDG	IATA
UN Number				
Proper shipping name	Not regulated	Not regulated	Not regulated	Not regulated
Transport hazard class(es)				
Packing group				

Transport in bulk (according to Annex II of the International Convention for the Prevention of Pollution From Ships, 1973, as modified by the Protocol of 1978 (MARPOL 73/78), and the International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk (IBC Code)): N/A

Marine pollutant: No

Exemption for limited quantity: Not applicable

Other exemptions: Not applicable

Special precautions: Not applicable

15. Regulatory information

Canada

No	CAS No :	Common name and synonyms	%	DSL	NDSL	NPRI
1	65997-17-3	Glass oxides, amorphous. Sodium, calcium, magnesium and silica polyphosphate. Soda lime borosilicate, amorphous glass	100.00	X		

United States

No	CAS No :	Common name and synonyms	%	TSCA	PROP-65	RTK
1	65997-17-3	Glass oxides, amorphous. Sodium, calcium, magnesium and silica polyphosphate. Soda lime borosilicate, amorphous glass	100.00	X		

The customer is responsible for determining the PPE (personal protection equipment) code for this material.

The classification of the product and the SDS were developed in accordance with HPR and HazCom 2012.



Safety Data Sheet

MIRAGLASS© - MIRAGRIT© - Miracem© - Mirapaint© - Miraplast©

16. Other information

Date: 2021-11-16

Version: 3

Notice to reader: The manufacturer hereby declares that the information disclosed herein have been based on governmental sites and/or raw material supplier's. The manufacturer has no control over the nature and content of such information. The manufacturer fully reproduces all the information it holds on the constituent of the product, at the time it is manufactured. The manufacturer does not assume 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. By this data sheet, the manufacturer hereby discloses all the potential dangers it has knowledge of and which might be related to the using or manipulation of the product in order to allow the proper care to be brought and use with regard to the product. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist and notification is hereby given to the user. Notice is hereby given that injury can derive therefrom if the foregoing is not respected. The manufacturer assumes no responsibility for personal and/or material damage, lost or injury of whichever nature caused or which may occur following the wrongful, inappropriate, negligent or abusive use or handling of the product or from not having read the herein contained information.