



MANUFACTURING CDN. INC.  
10064 RIVER ROAD  
DELTA, BC CANADA

## MATERIAL SAFETY DATA SHEET – CANADA

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### SECTION I: PRODUCT INFORMATION

Product Name:	GREgrit™	CAS No. 2001-01-1
Chemical Name:	Soda-Lime Silicon Dioxide Glass	
Description:	Sand manufactured from recycled glass	
DOT Identification:	Not regulated by DOT	

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### SECTION II: HAZARDOUS INGREDIENTS

- Glass sand is not classified as a hazardous material by the criteria of the Workplace Hazardous Materials Information Systems (WHMIS)
- Contains no free (or crystalline) silica – all components are amorphous/non-crystalline
- Nuisance dust concern only

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### SECTION III: PHYSICAL DATA

Boiling Point (°F):	N/A	Specific Gravity:	2.5
Vapour Pressure:	N/A	% Volatile by Volume:	N/A
Vapour Density:	N/A	Evaporation Rate:	N/A
Solubility in Water:	Insoluble		
Appearance & Odour:	Odourless, transparent or coloured particulate		

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### SECTION IV: FIRE & EXPLSION DATA

Non-flammable and non-hazardous inorganic material

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### SECTION V: REACTIVITY DATA

Stability:	Material is stable	Hazardous Polymerization:	Will not occur
Materials to Avoid:	Hydrofluoric Acid	Hazardous Decomposition Products:	None

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### SECTION VI: HEALTH HAZARD DATA

Nuisance Dust (total):	10 mg/m <sup>3</sup>	TLV (units) depends upon particle size
Nuisance Dust (respirable):	5 mg/m <sup>3</sup>	TLV (units) depends upon particle size
Routes of Entry:	Lungs (breathing): Yes, Ingestion: No, Skin: No	
Health Hazard (Acute & Chronic):	Dust in excess of recommended exposure limits may result in irritation to the respiratory tract.	
Carcinogenicity:	NTP Not Listed	IARC Monographs: Not Listed
OSHA Regulations:	Not Listed	
Signs and Symptoms of Exposure:	Physical eye and respiratory irritation may result if recommended exposure limits are exceeded.	
Medical Conditions Generally Aggravated by Exposure:	Chronic lung conditions may be aggravated by exposure to high concentrations of dust.	
Emergency & First Aid Procedures:	<b>Eyes:</b> Flush thoroughly with water. See a physician if discomfort persists. <b>Respiratory:</b> Remove to fresh air.	



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**SECTION VII: PRECAUTIONS FOR SAFE HANDLING & USE**

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Steps to be taken in case of material spill: Sweep up and discard; avoid excessive dusting.

Waste Disposal Method: May be disposed in approved landfill in accordance with federal, provincial, state and local regulations.

Precautions for handling

& storing: Spillage may result in slippery conditions. When transferring materials, care should be taken to avoid dusting.

This material is not A SARA Title III reportable substance.

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**SECTION VIII: CONTROL MEASURES**

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Respiratory protection: If dust concentrations exceed recommended Permissible Exposure Limits, use NIOSH-approved respirators.

Ventilation: Local Exhaust

Protective Gloves: None

Eye Protection: NIOSH-approved safety glasses or goggles (tight fitting recommended)

Other Protective

Clothing or Equipment: None required

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**ABBREVIATIONS**

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N/A – Not Applicable mg/m<sup>3</sup> – milligrams per cubic meter

TLV – threshold limit value NIOSH –National Institute of Safety and Health

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**CLARIFYING THE MISCONCEPTION ABOUT THE FORMATION OF FREE SILICA FROM GLASS**

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**NO FREE SILICA**

Regarding ground glass as an abrasive product – relevant to free silica, there is no concern for its presences, as in a glass product, all silica contained in glass is tied up in non-crystalline fashion with other oxides of the glass (Na<sub>2</sub>O, CaO, MgO, etc.).

Also to the apparent misconception expressed about whether glass used as an abrasive can result in the formation of free silica, this is not possible. Simple size reduction of glass particles (as in abrasive blasting) cannot alter the fact that the glass remains glass. Physical attrition cannot alter glass to a free silica (crystalline) form, albeit it will make for finer glass particles.

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