

# ZeoFill®

# OdorZorb™

## Safety Data Sheet

### Section 1: Identification

*Product identified:* Clinoptilolite – Natural Zeolite  
CAS No. 12173-10-3

*Restrictions on use or sale:* None

*Company:* ZeoFill® USA  
12523 Limonite, Suite 440, Box 418  
Mira Loma, California 91752

*Emergency telephone number:* 888 926 - 4785 (ZeoFill® Office)

Phone: 888 926 - 4785  
Website: [www.zeofill.com](http://www.zeofill.com)  
Email: [info@zeofill.com](mailto:info@zeofill.com)

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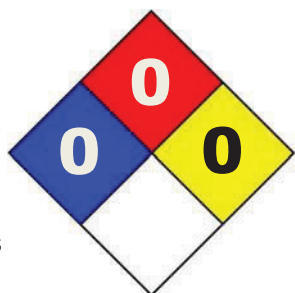
### Section 2: Hazard Identification

#### Regulation (EU) No 1272/2008

*GHS regulations:* Not classified as hazardous.  
*CLP regulation:* Not classified as hazardous.  
*Directive 67/548/EEC:* Not applicable.  
*Directive 1999/45/EC:* Not applicable.  
*Classification system:* The classification is according to the latest editions of the EU-lists and extended by company literature data. The classification is in accordance with the latest editions of international substances lists and is supplemented by information from technical literature.

#### Label elements:

*Regulation (EC) No 1272/2008:* Not regulated.  
*Hazard pictogram:* Not regulated.  
*Signal word:* Not regulated.  
*Hazard determining components:* None.  
*Hazard statements:* Not regulated.  
*NFPA Hazard Rating (Scale 0 to 4)*



Health (Blue)	0	No precaution necessary.
Flammability (Red)	0	Non combustible.
Reactivity (Yellow)	0	Not reactive when mixed with water.
Special (White)	None	

## HMIS Hazard Rating (Scale 0 to 4)

<b>HEALTH</b>	<b>0</b>
<b>FLAMMABILITY</b>	<b>0</b>
<b>REACTIVITY</b>	<b>0</b>

Health (Blue)	0	No significant health risk.
Flammability (Red)	0	Will not burn.
Reactivity (Yellow)	0	Will not react, polymerize, decompose, condense, or self react. Non-explosive.

<i>PBT and vPvB Assessment:</i>	PBT	Not applicable.
	vPvB	Not applicable.

**Section 3: Composition/Information on ingredients**

*Dangerous components:* None in reportable quantities.

<i>Chemical and common name</i>	<i>Wt. %</i>	<i>CAS Registry</i>	<i>EINECS</i>
Clinoptilolite (natural zeolite)	90-97	12173-10-3	215-283-8
Water	3-10	7732-18-5	231-791-2

**Section 4. First Aid Measures**

<i>General:</i>	No special measures required.
<i>After inhalation:</i>	Supply fresh air; consult doctor in case of complaints.
<i>After skin contact:</i>	Clean with water and soap. If skin irritation is experienced, consult a doctor.
<i>After eye contact:</i>	Remove contact lenses if worn. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
<i>After swallowing:</i>	Rinse out mouth and then drink plenty of water. Do not induce vomiting. Treat symptomatically.

**Section 5. Fire-Fighting Measures**

<i>Suitable extinguishing media:</i>	Noncombustible.
<i>Extinguishing media:</i>	Compatible with all extinguishing media.
<i>Unusual hazards:</i>	None known.

**Section 6. Accidental Release Measures**

<i>Personal precautions:</i>	Avoid dust – use NIOSH approved respirator where dust occurs.
<i>Environmental precautions:</i>	No special measures required.
<i>Protection equipment:</i>	Safety glasses or chemical goggles.
<i>Spills cleanup:</i>	Pick up mechanically and place in a suitable container - avoid generating dust.

**Section 7. Handling and Storage**

<i>Safe handling:</i>	Avoid contact with eyes, skin, and clothing. Avoid generating and breathing dust.
<i>Safe storage:</i>	No special requirements.

**Section 8. Exposure Controls and Personal Protection**

<i>Limit values:</i>	Does not contain any relevant quantities of materials with critical values that have to
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	be monitored in the workplace.
<i>DNEL:</i>	No further information available.
<i>DNEC:</i>	No further information available.
<i>General protection:</i>	Use in a well ventilated workplace. Avoid generating and contacting dust.
<i>Eye protection:</i>	Wear safety glasses.



<i>Respiratory protection:</i>	Not necessary in well ventilated area.
<i>Skin protection:</i>	Wear protective gloves against mechanical hazards according to NIOSH or EN 388.
<i>Body protection:</i>	Not required under normal conditions of use.

### Sections 9. Physical and Chemical Properties

<i>Appearance:</i>	Light tan solid (powders and granules).
<i>Odor:</i>	Odorless.
<i>Odor threshold:</i>	Not determined.
<i>pH values:</i>	Not applicable.
<i>Change in condition:</i>	Melting point/melting range: Not determined. Boiling point/boiling range: Not determined.
<i>Flash point:</i>	Not applicable. Will not burn.
<i>Evaporation rate:</i>	Not applicable; does not evaporate.
<i>Flammability (solid, gas):</i>	Not flammable. Upper/lower limits: Not applicable.
<i>Danger of explosion:</i>	Does not present and explosive hazard. Upper/lower limits: Not applicable.
<i>Vapor density:</i>	Does not apply. Does not evaporate.
<i>Relative density:</i>	Not determined
<i>Solubility:</i>	Water Insoluble. Alcohol Insoluble.
<i>Partition coefficient:</i>	Not applicable (insoluble in n-octanol and water).
<i>Auto ignition temperature:</i>	Will not auto ignite.
<i>Decomposition temperature:</i>	Not determined.
<i>Viscosity:</i>	Not applicable - solid.

### Section 10. Stability and Reactivity

<i>Chemical stability</i>	Stable if used as intended.
<i>Thermal stability:</i>	Stable if used as intended.
<i>Hazardous reaction:</i>	Possibility of hazardous reaction with strong acids and strong alkali.
<i>Conditions to avoid</i>	No further information available.
<i>Materials to avoid</i>	Strong acids and strong bases.
<i>Hazardous decomposition:</i>	No further information available.

### Section 11. Toxicological Information

<i>Toxicological:</i>	When used and handled according to instructions, the product does not have any
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	harmful effects based upon our experience.
<i>Sensitization:</i>	No sensitizing effects known.
<i>General EU Guidelines:</i>	Not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.
<i>NTP</i>	Not listed in the National Toxicological Program <i>Report on Carcinogens</i> , 2011.
<i>IARC</i>	International Agency for Research on Cancer <i>MONOGRAPHS VOLUME 68</i> : clinoptilolite cannot be evaluated as to the carcinogenicity to humans (Group 3).

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## Section 12. Ecological Information

<i>Toxicity:</i>	No known toxicity to plants or animals.
<i>Environmental fate</i>	Inorganic material does not decompose and is not eliminated from environment by means of biological cleaning processes.
<i>Bioaccumulation:</i>	Does not bioaccumulate in animal or plants.
<i>Mobility in soil:</i>	Not mobile.

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## Section 13. Disposal Consideration

<i>Classification:</i>	Not a RCRA Hazardous Waste.
<i>Disposal method:</i>	Dispose in accordance with federal, state (provincial), and local regulations.

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## Section 14. Transportation Information

<i>UN Number:</i>	DOT, ADR, ADN, IMDG, IATA:	Not Regulated.
<i>UN Proper Shipping Name:</i>	DOT, ADR, ADN, IMDG, IATA:	Not Regulated.
<i>Transport Hazard Class:</i>	DOT, ADR, ADN, IMDG, IATA:	Not Regulated.
<i>Packing Group:</i>	DOT, ADR, IMDG, IATA:	Not Regulated.
<i>Marine pollutant:</i>	No.	
<i>Proper shipping name:</i>	Non-Hazardous for Transport.	
<i>Hazard Symbol:</i>	None required.	
<i>Hazard Id Number (HIM):</i>	None.	

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## 15. Regulatory Information

### United States

<i>SARA 355:</i>	Extremely hazardous substances:	None of the ingredients listed.
<i>SARA 313:</i>	Specific toxic chemical listings:	None of the ingredients listed.
<i>TSCA:</i>	All of the ingredients are listed.	
<i>California Prop 65:</i>	Known to cause cancer:	None of the ingredients listed.
	Known to cause reproductive toxicity:	None of the ingredients listed.
	Known to cause developmental toxicity:	None of the ingredients listed.
<i>Carcinogen categories:</i>	EPA	None of the ingredients listed.
	IARC	None of the ingredients listed.
	TLV by ACGHI	None of the ingredients listed.
	NIOSH-Ca	None of the ingredients listed.
	Ingredients Disclosure List (limit 0.1%)	None of the ingredients listed.
	Ingredients Disclosure List (limit 1%)	None of the ingredients listed.
<i>REACH, Article 57:</i>	Substances of very high concern (SVHC)	None of the ingredients listed.

**Canada: CPR:** (Canadian Controlled Products Regulations): This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR. WHMIS Classification: Not Controlled.

**DSL / NDSL:** (Canadian Domestic Substances List / Non-Domestic Substance List): Components of this product identified by CAS number are not listed on the DSL or NDSL, or are otherwise in compliance with the New Substances Notifications (NSN) regulations.

**Chemical Safety Assessment:** A Chemical Safety Assessment has not been carried out.

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## 16. Other information

### Safety Data Sheet:

Approved by: Scott Perez  
Date: February 08, 2022

### Abbreviations:


ACGIH	American Conference of Governmental Industrial Hygienists
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
CAS	Chemical Abstracts Service (division of the American Chemical Society)
CLP	Classification, Labeling, and Packaging Regulation (EC) No 1272/2008
DNEL	Derived No-Effect Level (REACH)
DOT	US Department of Transportation
DSL	Domestic Substance List
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
EPA	Environmental Protection Agency
GHS	Globally Harmonized System of Classification and Labeling of Chemicals
HMIS	Hazardous Materials Identification System (USA)
IARC	International Agency of Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Code for Dangerous Goods
NIOSH	National Institute of Occupational Safety and Health
NFPA	National Fire Protection Association (USA)
NTP	National Toxicological Program
PBT	Persistent, Bioaccumulative, and Toxic
PNEC	Predicted No-Effect Concentration (REACH)
REACH	Registration, Evaluation, Authorization, and Restriction of Chemicals; (EC) 1907/2008
RCRA	Resource Conservation and Recovery Act
SARA	Superfund Amendment and Reauthorization Act
SVHC	Substances of very high concern
TSCA	Toxic Substances Control Act
TLV	Threshold Limit Value
vPvB	Very persistent and very bioaccumulative
WHMIS	Workplace Hazardous Materials Information System (Canada)

The information on this Safety Data Sheet is believed to be accurate and is the best information available to KMI Inc. This document is intended only as a guide to the appropriate precautions for handling. KMI Inc. makes no warranty of merchantability or any other warrant, expressed or implied with respect to the information or the product to which this Safety Sheet relates. Users and handlers of this product should make their own investigations to determine the suitability of the information provided herein for their own purposes.

**SAFETY DATA SHEET – NeutraFill Coated Infill (All Grades) XIF-002**

<b>Product Name:</b> NeutraFill Coated Infill (All Grades) XIF-002
<b>Product Use:</b> Turf Infill. For professional use only.
<b>Supplier: ZeoFill Inc.</b> 12523 Limonite Ave, Suite 440, Box 418 Mira Loma, CA 91752 www.zeofill.com
<b>For Non-Emergency information and General Inquiries:</b> 888-926-4785
<b>Emergency Phone:</b> 1-800-424-9300 (CHEMTREC)

**2. HAZARDS IDENTIFICATION**

Classification of the Substance or Mixture	
<b>OSHA Classification (GHS-US)</b>	Carcinogen 1A, STOT SE 3, STOT RE 1
<b>WHMIS Classification</b>	Carcinogen 1A, STOT SE 3, STOT RE 1
<b>Hazard Pictograms (GHS-US)</b>	
<b>Signal Word (GHS-US)</b>	Danger
<b>Hazard Statements (GHS-US)</b>	May cause respiratory irritation by abrasion May cause cancer (Inhalation) Causes damage to organs (lung/respiratory system) through prolonged or repeated exposure (Inhalation)
<b>Precautionary Statements (GHS-US)</b>	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear respiratory protection. If INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If exposed or concerned: Get medical advice/attention. Store in a well-ventilated place. Keep container tightly closed. Store locked up. Dispose of contents/container according to local, regional, national, territorial, provincial, and international regulations.
<b>Other Hazards Not Contributing to the Classification:</b>	Dust may cause irritation by abrasion to eyes, nose, throat, lungs. Exposure may aggravate pre-existing conditions and/or increase the risk of certain disease. There is some evidence that exposure to respirable crystalline silica (quartz) is associated with increased incidence of kidney diseases, including end stage renal disease.
<b>Unknown Acute Toxicity (GHS-US)</b>	0%

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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	Product identifier (CAS)	% (w/w)	Classification (GHS-US)
Silica Sand (Quartz)	14808-60-7	98.0-99.5%	Carc. 1A, STOT SE 3, STOT RE 1
Polymer Resin		0.5-2.0%	Not a hazardous substance and bound to silica

## 4. FIRST AID MEASURES

<u>Description of First Aid Measures</u>	
<b>General:</b>	Immediately flush eyes with running water for at least 15 minutes. Seek medical attention for irritation.
<b>Inhalation:</b>	Wash with soap and water.
<b>Skin Contact:</b>	Move to fresh air. Seek medical attention if irritation develops.
<b>Eye Contact:</b>	Rinse mouth with water. Get medical attention if discomfort persists.
<b>Ingestion:</b>	Treat symptomatically.

<u>Most Important Symptoms and Effects Both Acute and Delayed</u>	
<b>Symptoms/Injuries:</b>	Irritation by abrasion of respiratory tract.
<b>Symptoms/Injuries After Inhalation:</b>	Chronic inhalation of respirable quartz (crystalline silica) may cause silicosis, a fibrosis or scarring of the lungs. Silicosis may be progressive and may lead to disability and death. Adverse health effects such as lung disease, silicosis, cancer, autoimmune disease, tuberculosis and nephrotoxicity can occur with exposure. There are generally no symptoms or signs of exposure to quartz. Chronic silicosis often has no symptoms. Acute silicosis can occur with exposures to very high concentrations of respirable quartz over a very short time period, sometimes as short as a few months. The symptoms of acute silicosis include progressive shortness of breath, fever, cough and weight loss. Acute silicosis is fatal.
<b>Symptoms/Injuries After Skin Contact:</b>	Prolonged contact with dust may cause irritation by abrasion.
<b>Symptoms/Injuries After Eye Contact:</b>	Prolonged contact will cause irritation by abrasion and may result in corneal injury.
<b>Symptoms/Injuries After Ingestion:</b>	None expected under normal conditions of use.
<b>Chronic Symptoms:</b>	Prolonged and frequent exposure through inhalation may cause cancer or damage lungs.
<b>Indication of Any Immediate Medical Attention and Special Treatment Needed</b>	If you feel unwell, seek medical advice.

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## 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Agents</b>	Use extinguishing media appropriate for surrounding fire.
<b>Unsuitable Extinguishing Agents</b>	None known
<b>Products of Combustion</b>	None anticipated

<b>Advice for Firefighters</b>	
<b>Precautionary Measures Fire</b>	Exercise caution when fighting any fire
<b>Firefighting Instructions</b>	Fight fire from safe distance and protected location.
<b>Hazardous Combustion Products</b>	May release toxic fumes, including Formaldehyde, Silicon Oxides, and Carbon Oxides
<b>Protection of Firefighters</b>	Fire fighters should wear “bunker gear” and Self-Contained Breathing Apparatus (SCBA).

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b>	Do not breathe dust. Avoid generating dust.
<b>Environmental Precautions</b>	Not available

<b>For Non-Emergency Personnel</b>	
<b>Protective Equipment:</b>	Use appropriate personal protection equipment (PPE).
<b>Method of Cleanup</b>	Shovel into containers for reuse. Do not use product contaminated with dirt, water or other materials. Contaminated materials should be disposed of in a suitable facility.

<b>Methods and Material for Containment and Cleaning Up</b>	
<b>For Containment:</b>	Use appropriate personal protection equipment (PPE).
<b>Methods for Cleaning Up:</b>	Avoid generation of dust during clean-up of spills. Use only non-sparking tools.

<b>Reference to Other Sections</b>	See Section 8, Exposure Controls and Personal Protection.
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## 7. HANDLING AND STORAGE

<b>Additional Hazards When Processed:</b>	Good housekeeping is needed during storage, transfer, handling, and use of this material to avoid excessive dust accumulation.
<b>Hygiene Measures</b>	Handle in accordance with good industrial hygiene and safety procedures. Use only outdoors or in a well-ventilated area. Do not breathe dust.
<b>Storage Conditions</b>	Store in a well-ventilated place.
<b>Incompatible Materials</b>	Strong bases. Strong acids. Strong oxidizers.
<b>Specific End Use(s)</b>	Proppant. For professional use only.




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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Quartz (14808-60-7) (Respirable dust only)</b>		
USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	0.025 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (STEL) (mg/m <sup>3</sup> )	250 mppcf/%SiO <sub>2</sub> +5, 10mg/m <sup>3</sup> /%SiO <sub>2</sub> +2
USA NIOSH	NIOSH REL (TWA) (mg/m <sup>3</sup> )	0.05 mg/m <sup>3</sup>
USA IDLH	US IDLH (mg/m <sup>3</sup> )	50 mg/m <sup>3</sup>
Alberta	OEL TWA (mg/m <sup>3</sup> )	0.025 mg/m <sup>3</sup>
British Columbia	OEL TWA (mg/m <sup>3</sup> )	0.025 mg/m <sup>3</sup>
Saskatchewan	OEL TWA (mg/m <sup>3</sup> )	0.05 mg/m <sup>3</sup>
Yukon	OEL TWA (mg/m <sup>3</sup> )	300 particle/mL
USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	0.025 mg/m <sup>3</sup>

<b>Particles Not Otherwise Specified</b>		
USA OSHA	OSHA PEL (TWA)(mg/m <sup>3</sup> )	15 mg/m <sup>3</sup> (total dust)
USA OSHA	OSHA PEL (TWA)(mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (respirable fraction)
USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (total dust)
USA ACGIH	ACGIH TWA (mg/m <sup>3</sup> )	3 mg/m <sup>3</sup> (respirable fraction)

<b>Appropriate Engineering Controls</b>	Ensure adequate ventilation, especially in confined areas.
<b>Personal Protective Equipment</b>	 Insufficient ventilation: wear respiratory protection.
<b>Materials for Protective Clothing</b>	Specific materials not required.
<b>Hand Protection</b>	Impermeable protective gloves.
<b>Eye Protection</b>	In case of dust production: protective goggles.
<b>Skin and Body Protection</b>	Wear suitable working clothes.
<b>Respiratory Protection</b>	Use NIOSH-approved air-purifying or supplied-air respirator where airborne concentrations of dust are expected to exceed exposure limits.
<b>Other Information</b>	When using, do not eat, drink or smoke

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Solid	<b>Flash point</b>	Not flammable
<b>Appearance</b>	Grayish/Black, Green or Red Granular Sand	<b>Upper/lower Flammable Limits</b>	Not available
<b>Odor</b>	Odorless	<b>Auto-ignition Temperature</b>	Not available

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<b>Odor Threshold</b>	Not available	<b>Decomposition temperature</b>	Not available
<b>pH</b>	Not applicable	<b>Relative Evaporation Rate (butyl acetate=1)</b>	Not available
<b>Boiling Point</b>	2230 C	<b>Vapor Pressure</b>	Negligible
<b>Melting/Freezing Point</b>	2930 °F (1610 °C)	<b>Relative Vapor Density at 20 °C</b>	Not available
<b>Solubility</b>	Insoluble in water	<b>Density</b>	2.5 (vs water)
<b>Viscosity</b>	Not available	<b>Octanol/Water Partition Coefficient</b>	Not available
<b>Flammability (solid, gas)</b>	Not available	<b>Relative Density/Specific Gravity</b>	Not available
<b>Explosion Data – Sensitivity to Mechanical Impact</b>	Not expected to present an explosion hazard due to mechanical impact.	<b>Explosion Data – Sensitivity to Static Discharge</b>	Not expected to present an explosion hazard due to static discharge.

Note: The physical data presented above are typical values and should not be construed as a specification.

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	Product is stable.
<b>Chemical Stability:</b>	Product is not explosive.
<b>Conditions to Avoid:</b>	Sparks, heat, open flame and other sources of ignition. Avoid creating or spreading dust.
<b>Possibility of Hazardous Reactions:</b>	Hazardous polymerization will not occur.
<b>Incompatible Materials:</b>	Strong acids, strong bases, strong oxidizers.
<b>Hazardous Decomposition Products:</b>	Quartz (silica) will dissolve in hydrofluoric acid producing a corrosive gas, silicon tetrafluoride.

## 11. TOXICOLOGICAL INFORMATION

No investigations were carried out with the preparation itself. The properties of this product which are hazardous to health have been calculated as per regulation (EC) No. 1272/2008. See Section 2 "Hazards Identification.	
<b>Acute Toxicity</b>	Not classified
<b>LD50 and LC50 Data:</b>	Not available but considered systemically non-toxic.
<b>Skin Corrosion/Irritation</b>	Not classified (pH: 6.5 - 7.5) in solution
<b>Serious Eye Damage/Irritation</b>	Not classified (pH: 6.5 - 7.5) in solution
<b>Respiratory or Skin Sensitization</b>	Not classified
<b>Germ Cell Mutagenicity</b>	Not classified

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<b>Teratogenicity</b>	Not available
<b>Carcinogenicity</b>	May cause cancer (Inhalation).
<b>Specific Target Organ Toxicity (Repeated Exposure)</b>	Causes damage to organs (lung/respiratory system) through prolonged or repeated exposure (Inhalation).
<b>Reproductive Toxicity</b>	Not classified
<b>Specific Target Organ Toxicity (Single Exposure)</b>	May cause respiratory irritation by abrasion.
<b>Aspiration Hazard</b>	Not classified
<b>Symptoms/Injuries After Inhalation</b>	May cause respiratory irritation. Repeated or prolonged exposure to respirable (airborne) crystalline silica dust will cause lung damage in the form of silicosis. Symptoms will include progressively more difficult breathing, cough, fever, and weight loss.
<b>Symptoms/Injuries After Skin Contact</b>	Prolonged contact with large amounts of dust may cause irritation by abrasion.
<b>Symptoms/Injuries After Eye Contact</b>	Repeated or prolonged contact will cause irritation by abrasion. Prolonged contact may result in corneal injury.
<b>Symptoms/Injuries After Ingestion</b>	None expected under normal conditions of use.
<b>Chronic Symptoms</b>	Prolonged and frequent exposure through inhalation may cause cancer. Repeated or prolonged inhalation may damage lungs.

<b>Information on Toxicological Effects - Ingredient(s)</b>	
<b>LD50 and LC50 Data:</b>	
<b>Quartz (14808-60-67)</b>	
<b>Oral Rat</b>	> 5000mg/kg
<b>Quartz (14808-60-7)</b>	
<b>IARC Group</b>	1
<b>National Toxicity Program(NTP) Status</b>	Known Human Carcinogens.

## 12. ECOLOGICAL INFORMATION

<b>Toxicity</b>	Not classified
<b>Persistence and Degradability</b>	Not available
<b>Bio-accumulative Potential</b>	Not available
<b>Other Adverse Effects</b>	Not available

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## 13. DISPOSAL CONSIDERATIONS

<b>Waste Disposal Recommendations:</b>	Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.
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## 14. TRANSPORT INFORMATION

<b>In Accordance with DOT</b>	Not regulated for transport
<b>In Accordance with IMDG</b>	Not regulated for transport
<b>In Accordance with IATA</b>	Not regulated for transport
<b>In Accordance with TDG</b>	Not regulated for transport

## 15. REGULATORY INFORMATION

### US Federal Regulations

<b>Quartz (14808-60-7)</b>	
<b>SARA Section 311/312 Hazard Classes</b>	Carcinogen 1A. STOT SE -3. STOT RE-1
<b>TSCA (Toxic Substances Control Act)</b>	Listed on the United States TSCA inventory

### US State Regulations

<b>Quartz (14808-60-7)</b>	
U.S. - California - Proposition 65 – Carcinogens - Listed	
RTK - U.S. - Massachusetts - Right To Know List	
RTK - U.S. - New Jersey - Right to Know Hazardous Substance List	
RTK - U.S. - Pennsylvania - RTK (Right to Know) List	

### Canadian Regulations

<b>WHMIS Classification 2015</b>	Carcinogen 1A. STOT SE -3. STOT RE-1
<b>Quartz (14808-60-7)</b>	
Listed on the Canadian DSL (Domestic Substances List) inventory.	
Listed on the Canadian Ingredient Disclosure List	

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

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## 16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision Date	23 Mar 2021
Version	1.2
Former Version Date	15 Mar 2021
Revision Changes	Item number changed from XIF-001 to XIF-002

National Fire Protection Association (NFPA):		
NFPA Health Hazard	1	Exposure could cause irritation by abrasion but only minor residual injury even if no treatment is given.
NFPA Flammability	0	Materials that will not burn.
NFPA Reactivity	0	Normally stable, even under fire exposure conditions

Hazardous Material Identification System (HMIS):		
Health	1	Slight Hazard - Irritation by abrasion or minor reversible injury possible
Flammability	0	Minimal Hazard
Physical	0	Minimal Hazard
PPE	E	
Ratings are based on 0-4 rating scale, with 0 representing minimal hazard or risk, and 4 representing severe hazard or risk.		
E: Safety goggles, gloves and a particulate respirator		

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