

Section 1: Identification

Product Code: FG0209

Product Trade Name: Fibre Coat

Product Class/Intended End Use: For industrial/professional use only.

Emergency Telephone Numbers: For Health and Spill Emergency: 905-856-0133 (Monday to Friday 9am-5pm EST)

Manufacturer Information: DuROCK Alfacing International Ltd.
101B Roytec Rd
Woodbridge, Ontario, Canada
L4L 8A9
Phone: 905-856-0133

Section 2: Hazards Identification**Classifications:**

Carcinogen: Category 1A

Eye Irritant: Category 2B

Specific Target Organ Systemic Toxicity (Repeated Exposure): Category 1

Signal Word:

Danger

Hazard Statements:

H320: Causes eye irritation.

H372: Causes damage to lungs and/or kidneys through prolonged or repeated exposure by inhalation.

H350: May cause cancer

Precautionary Statements:

P201: Obtain special instructions before use.

P202: Do not handle until all safety precautions have been read and understood.

P260: Do not breathe dust/fumes/gas/mist/vapours/spray.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P332+P313: If skin irritation occurs: Get medical advice/attention.

P301+P315: IF SWALLOWED: Get immediate medical advice/attention

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

P302+P363+P363: IF ON SKIN: Take off all contaminated clothing. Wash contaminated clothing before reuse.

P404: Store in a closed container.

P403+P235: Store in a well ventilated place. Keep cool.

Hazard Pictograms:

Section 3: Composition/Information on Ingredients

<u>Chemical Name</u>	<u>Common Name/Synonyms</u>	<u>CAS REG NO.</u>	<u>Weight (%)</u>
Crystalline Silica (Quartz)	Silica Sand	14808-60-7	From 30 to 60%
Calcium Carbonate	Limestone/Ground Calcium Carbonate	1317-65-3	From 15 to 40%
Mica	Mica	12001-26-2	From 1 to 5%
Propane-1,2-diol1, 2-Dihydroxypropane	Texanol	25265-77-4	From 0.1 to 1%
Titanium Dioxide	Titanium Dioxide	13463-67-7	From 0.1 to 1%

Section 4: First Aid Measures**Inhalation:**

Remove person to fresh air and keep comfortable for breathing. Obtain medical attention if coughing or other symptoms persist.

Eye Contact:

Rinse with plenty of water. Remove contact lenses if present and easy to do. Continue rinsing. If irritation persists obtain medical.

Skin Contact:

Remove/take off all contaminated clothing. Flush skin with running water and wash affected areas thoroughly with soap and water. Wash contaminated clothing before reuse. If skin irritation persists contact a physician.

Ingestion:

Drink 1-2 glasses of water. Never give anything by mouth to an unconscious person. Get immediate medical advice/attention.

Most Important Symptoms and Effects (both acute and delayed):

Silica sand is a chemically inert, non-combustible mineral. Long-term exposure can cause silicosis. Silicosis is a respiratory disease, which can result in delayed, disabling and sometimes fatal lung injury. IARC and NTP have determined that respirable crystalline silica inhaled from occupational sources can cause cancer in humans. Risk of injury is dependent on the duration and level of exposure. A single exposure will likely not result in serious adverse effects.

Section 5: Fire Fighting Measures**Suitable Extinguishing Media:**

Use extinguishing media appropriate to the surrounding fire conditions.

Unsuitable Extinguishing Media:

Material can splatter above 100°C/212°F.

Special Hazards Arising from the Substance or Mixture:

Product can splatter above 100C/212F.

Special Protective Equipment and Precautions for Firefighters:

Wear self contained breathing apparatus and protective suit. As for any fire, evacuate the area and fight the fire from a safe distance.

Section 6: Accidental Release Measures**Personal precautions, protective equipment and emergency procedures:**

Wear adequate personal protective equipment, including an appropriate respirator. Isolate spill area, preventing entry by unauthorized persons. Material can create slippery conditions.

Environmental precautions:

Avoid releases to the environment and prevent material from entering sewers, natural waterways or storm water management systems.

Methods and material for containment and cleaning up:

Contain spills immediately with inert materials (e.g. sand, earth). Transfer liquids and solid dyking material to separate suitable containers for recovery or disposal.

Section 7: Handling and Storage**Precautions for Safe Handling:**

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapors, mist or gas.

Conditions for Safe Storage:

Keep from freezing, product stability may be affected. Stir before use.

Section 8: Exposure Controls/Personal Protection**Control parameters:**

<u>Ingredient</u>	<u>ACGIH TLV</u>
Crystalline Silica (quartz)	0.025mg/m ³
Limestone (respirable)	3mg/m ³ (*TWA, PNOS)
Mica	10mg/m ³
Texanol	Not available
Titanium Dioxide	10mg/m ³

Appropriate Engineering Controls:

Use local exhaust or general ventilation to maintain vapour levels below exposure limits in workplaces.

Protective Measures:

Facilities storing or utilizing this material should be equipped with an eyewash facility.

Personal Protective Equipment:**Respiratory Protection:**

NIOSH/MSHA approved respirator if required.

Eye Protection:

Safety glasses with side shields are recommended to prevent eye contact.

Hand Protection:

Use gloves (Neoprene gloves recommended), shoes and protective clothing to prevent skin contact.

Section 9: Physical and Chemical Properties

Appearance: Milky white paste

Odour: Mild

Odour threshold: Not applicable

pH: 8.0-9.0

Melting point/freezing point: Not applicable

Initial boiling point and boiling range: 100°C (212°F) Water

Flash point: Not combustible

Evaporation Rate: Not available

Flammability: Not combustible

Upper/lower flammability or explosive limits: Not applicable

Vapour pressure: Not available

Vapour density: Not available

Relative density: Not available

Solubility(ies): Water

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

Auto-ignition temperature: Not applicable

Decomposition temperature: Not available

Viscosity: Not available

Section 10: Stability and Reactivity

Reactivity:

None known.

Chemical Stability:

Stable at normal ambient and anticipated storage and handling conditions.

Possibility of Hazardous Reactions:

None known.

Conditions to Avoid:

Do not freeze or overheat.

Incompatible Materials:

None known.

Hazardous Decomposition Products:

Thermal decomposition may yield acrylic monomers.

Section 11: Toxicological Information

Likely Routes of Exposure: Eye and skin contact. Ingestion

Acute Toxicity: Crystalline Silica

Oral, rat: LD₅₀ = 22,500 mg/kg

LC₅₀ carp >10,000 mg/L/72 hr

IARC: Group 1 Carcinogenic to humans

Inhalation of respirable silica dust may not cause noticeable injury or illness even though permanent lung damage may be occurring. Inhalation of silica dust may have the following serious chronic health effect of **Silicosis**. It is caused by the inhalation and retention of respirable crystalline silica dust. Silicosis can exist in several forms, chronic (or ordinary), accelerated, or acute.

Chronic or Ordinary Silicosis:

Most common form of silicosis, and can occur after many years of exposure to relatively low concentrations of airborne respirable crystalline silica dust.

Accelerated Silicosis:

Can occur with exposure to high concentrations of respirable crystalline silica over a relatively short period; the lung lesions can appear within five years of the initial exposure. The progression can be rapid. Accelerated silicosis is similar to chronic or ordinary silicosis, except that the lung lesions appear earlier and the progression is more rapid.

Acute Silicosis:

Can occur with exposures to very high concentrations of respirable crystalline silica over a very short time period. The symptoms of acute silicosis include progressive shortness of breath, fever, cough and weight loss. Acute silicosis can be fatal.

Acute Toxicity: Ground Calcium Carbonate

Not classified

Acute Toxicity: Mica

No acute effects.

Acute Toxicity: Texanol

Oral, rat: LD₅₀ = 4410 - 9595 mg/kg

Dermal, rabbit: LD₅₀ > 15200 mg/kg

Inhalation, rat: LC₅₀ carp > 5.25 mg/L (4hr)

Inhalation: If product is heated or mists are formed, inhalation may cause irritation to the nose, throat and respiratory tract.

Ingestion: Ingestion may irritate digestive tract and cause nausea, vomiting and diarrhea. Ingestion of larger amounts may cause defects to the central nervous system (e.g. dizziness, headache).

Skin: Direct skin contact may result in little or no irritation.

Eyes: Causes eye irritation. Symptoms may include tearing, redness and discomfort.

Acute Toxicity: Titanium Dioxide

Acute oral toxicity, ALD/rat: > 24,000 mg/kg

Acute inhalation toxicity, ALC/4h/rat: > 6.82 mg/L

Acute dermal toxicity, ALD/rabbit: > 10,000 mg/kg

Skin irritation: Slight irritation

Eye irritation: Slight irritation

Sensitisation: Did not cause sensitization on laboratory animals.

Section 12: Ecological Information

Toxicity: No test data on mixture.

Persistence and degradability: No test data on mixture.

Bioaccumulative potential: No test data on mixture.

Mobility in soil: No test data on mixture.

Other adverse effects: None known.

Section 13: Disposal Considerations**Handling of Disposal:**

Avoid dispersal of spilled material and runoff, and contact with soil, waterways, drains and sewers.

Methods of Disposal:

Dispose of in accordance with federal, provincial/state and local hazardous waste laws; do not discharge into sewage or municipal water.

Section 14: Transport Information

UN Number: Not applicable
UN Proper Shipping Name: Not applicable
Transport Hazard Class(es): Not applicable
Packing Group: Not applicable
Environmental Hazards: Not available
Special Precautions for User: Not available

Section 15: Regulatory Information**Crystalline Silica (quartz):****Canada:**

Domestic Substances List (DSL): Crystalline silica (quartz) is a naturally occurring substance on the DSL.

WHMIS Classification: Crystalline silica - Class D, Division 2, Subdivision A (Very Toxic Material causing other Toxic Effects).

United States (Federal and State):

TSCA: Crystalline silica (CAS #14808-60-7) is listed on the EPA Toxic Substance Control Act (TSCA) Section 8(b) inventory.

OSHA: Crystalline silica (quartz) is listed under 29 CFR 1910.1000 as a toxic and hazardous substance.

Silica sand is not regulated for transportation under the U.S. DOT, Canadian TDG, IMDG, or IATA Regulations.

Calcium Carbonate:

Domestic Substances List: Ground limestone as well as its impurities are "substances occurring in nature" and considered to be on the Canadian Domestic Substances List.

Toxic Substances Control Act: Limestone CAS# 1317-65-3 is listed on the U.S. EPA TSCA Inventory

OSHA Hazards: Carcinogen

UN/IMDG/IATA/DOT/TDG: Not regulated

Mica:

TSCA: Listed

DSL: Listed

OSHA: Not listed by NTP, OSHA or IARC as a carcinogen.

UN/IMDG/IATA/DOT: Not regulated

Texanol:

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

TSCA: On the inventory, or in compliance with the inventory.

Titanium Dioxide:

TSCA: On the inventory, or in compliance with the inventory.

AICS: On the inventory, or in compliance with the inventory.

DSL: On the inventory, or in compliance with the inventory.

SARA 313 Regulated Chemical(s): SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

UN/IMDG/IATA/DOT: Not regulated

Section 16: Other Information

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