

Section 1: Identification

Product Code: FG1050

Product Trade Name: Shimmerstone

Product Class/Intended End Use: Acrylic finish. 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: Hazard Identification

Classifications:

Carcinogen: Category 1A

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

Signal Word:

Danger

Hazard Statements:

H350: May cause cancer.

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

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.

P264: Wash affected areas thoroughly with soap and water after handling.

P270: Do not eat, drink or smoke when using this product.

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

P301+P312: IF SWALLOWED: Call a Poison Center/doctor if you feel unwell.

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+P362+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.

P405: Store locked up.

P501: Dispose of contents/container to at a permitted facility in accordance with local, state, and federal regulations.

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 45 to 70%
Dipropylene glycol monomethyl ether	Glycol ether DPM	34590-94-8	From 0.1 to 1%
Propylene glycol phenol ether	Not available	770-35-4	From 0.1 to 1%
Texanol	Propane-1,2-diol 1, 2-Dihydroxypropane	25265-77-4	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: No data available.

Special Hazards Arising from the Substance or Mixture: Product can splatter above 100C/212F. Dried product can burn.

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:



SAFETY DATASHEET

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. Store in a cool and dry place and out of sun. Stir before use.

Section 8: Exposure Controls/Personal Protection

Control parameters:

Occupational Exposure Limits:

<u>Ingredient</u>	<u>ACGIH TLV</u>
Crystalline Silica (quartz) (respirable fraction)	0.025mg/m ³
Dipropylene glycol monomethyl ether	100ppm (skin, TWA)
Propylene glycol phenol ether	Not available
Texanol	Not available

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: White or tinted paste

Odour: Mild

Odour threshold: Not applicable

pH: 8.0-9.0

Melting point/freezing point: Not available

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

Evaporation rate: Not available

Flash point: Not combustible

Flammability: Not combustible

Upper/lower flammability or explosive limits: Not available

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

Acute Toxicity: Dipropylene glycol monomethyl ether

Oral, rat: LD₅₀ = 5120 mg/kg

Dermal, rabbit: LD₅₀ = 9480 mg/kg

Inhalation, rat, 4hr: LC₅₀ = 3 mg/L (mist)

Acute Toxicity: Propylene glycol phenol ether

Specific Target Organ Systemic Toxicity (Repeated Exposure): Based on available data, repeated exposures are not anticipated to cause additional significant adverse effects.

Carcinogenicity: No relevant data found.

Aspiration Hazard: Based on physical properties, not likely to be an aspiration hazard.

Acute Toxicity: Texanol

Oral, rat: LD₅₀ = 4410-9595 mg/kg

Dermal, rabbit: LD₅₀ > 15 200 mg/kg

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

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.

Dipropylene glycol monomethyl ether:

IMDG/IATA/DOT/TDG: Not regulated

Domestic Substances List (DSL): Listed.

TSCA: Listed

Propylene Glycol Phenol Ether:

Not available

Texanol:

49CFR/DOT: Not regulated.

TDG: Not regulated



SAFETY DATASHEET

TSCA Inventory: Yes

CERCLA Reportable Quantity(RQ) (40 CFR 117.302): Not applicable

SARA TITLE III: Sec. 302, Extremely Hazardous Substance, 40 CFR 355: Not available

SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical:

Toxic Chemical: No

de minimus Concentration: Not applicable

Section 16: Other Information

Revision Date: February 2019