

## Section 1: Identification

**Product Code:** FG1402

**Product Trade Name:** Crystal Coat

**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:

Carcinogenicity: Category 1A

Specific Target Organ Systematic Toxicity, Repeated: Category 2 (Lungs)

### Signal Word:

Danger

### Hazard Statements:

H350i: May cause cancer by inhalation.

H373: May cause damage to organs (lungs) 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+P315: IF SWALLOWED: Get immediate medical advice/attention

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

P308+P313: IF EXPOSED OR CONCERNED: Get medical advice/attention.

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.

P405: Store locked up.

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

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>
Calcium Carbonate	Ground Calcium Carbonate	1317-65-3	From 30 to 60%
Calcium Sulfate	Gypsum	13397-24-5	From 5 to 10%
Kaolin	Not available	1332-58-7	From 1 to 5%
Titanium Dioxide	Titanium Dioxide	13463-67-7	From 1 to 5%
Mica	Mica	1201-26-2	From 0.5 to 1.5%
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):**

Calcium carbonate may cause irritation to the respiratory tract, repeated and/or prolonged skin contact may cause irritation or dryness, may cause eye irritation.

**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:**

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:**

<b>Ingredient</b>	<b>ACGIH TLV</b>
Calcium Carbonate (respirable)	5mg/m <sup>3</sup> (*TWA)
Calcium Sulfate Dihydrate (respirable)	10 mg/m <sup>3</sup> (*TWA)
Titanium Dioxide	10mg/m <sup>3</sup>
Kaolin Clay	2mg/m <sup>3</sup> (*TWA)
Mica	10mg/m <sup>3</sup>
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 applicable

**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: Ground Calcium Carbonate**

Oral, rat: LD<sub>50</sub> > 5000 mg/kg

**Acute Toxicity: Calcium Sulfate Dihydrate**

Acute Toxicity: Not expected as a hazard under normal conditions of use.

Skin Corrosion/Irritation: Not a skin irritant

Serious Eye Damage/Eye Irritation: Direct contact with eyes may cause temporary irritation.

Respiratory Sensitization: Not expected to cause respiratory sensitization based on a non-skin sensitization history.

Skin Sensitization: Not a skin sensitizer.

**Acute Toxicity: Titanium Dioxide**

Oral, rat: LD<sub>50</sub> > 5,000 mg/kg (Method: OECD Test Guideline 425)

Dermal, rabbit: LD<sub>50</sub> > 10,000 mg/kg

Inhalation, rat, 4hr: LC<sub>50</sub> > 6.82mg/L

**Acute Toxicity: Kaolin Clay**

Not available

**Acute Toxicity: Mica**

LD<sub>50</sub>: Not available

LC<sub>50</sub>: Not available

Effects of acute overexposure: No acute effects. Brief exposure above the 8 hour threshold limit value should pose no acute health risks.

**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: LD<sub>50</sub> = 4410-9595 mg/kg

Dermal, rabbit: LD<sub>50</sub> > 15 200 mg/kg

Inhalation, rat, 4hr: LC<sub>50</sub> > 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****Ground Calcium Carbonate:****EPCRA - Emergency Planning and Community Right-to-Know**

**CERCLA Reportable Quantity:** This material does not contain any components with a CERCLA RQ.

**SARA 304 Extremely Hazardous Substances Reportable Quantity:** This material does not contain any components with a section 304 EHS RQ.

**SARA 302 Extremely Hazardous Substances Threshold Planning Quantity:** This material does not contain any components with a section 302 EHS TPQ.

**SARA 311/312 Hazards:** Acute/Chronic Health Hazard, Chronic Health Hazard

**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.

Domestic Transport regulation not applicable for product as supplied.

**Calcium Sulfate Dihydrate:**

**United States inventory (TSCA 12b):** Not regulated.

**CERCLA Hazard Substance List:** Not listed.

**DOT/IATA/IMDG:** Not regulated as dangerous goods.

**Titanium Dioxide:**

**Canada:**

**Domestic Substances List (DSL):** Listed.

**United States (Federal and State):**

**TSCA:** Listed

**Kaolin:**

**Canada**

**Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL):** Listed on the DSL.

**USA**

**Toxic Substances Control Act (TSCA) Section 8(b):** Listed on the TSCA Inventory.

Not regulated under Canadian TDG regulations. Not regulated under US DOT Regulations.

**Mica:**

**Domestic Substances List (DSL):** Listed.

**TSCA:** Listed.

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

Not regulated for transportation under the DOT, IMDG, or IATA Regulations.

**Propylene Glycol Phenol Ether:**

Not available

**Texanol:**

**49CFR/DOT:** Not regulated.

**TDG:** Not regulated

**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



# SAFETY DATASHEET

## Section 16: Other Information

Revision Date: February 2019