

Section 1. Product and Company Identification

Product Name	PRECIDIUM™ 150D-FR Resin Grey or Green
Manufacturer	Quantum Technical Services Ltd. (Dba Quantum Chemical) 15 Riel Drive St. Albert, AB, Canada T8N 3Z2 Tel: (780) 458-3355 (non-emergency phone number) Fax: (780) 458-2852 www.quantumchemical.com
Chemical Emergencies	For 24-Hour Emergency call Canutec at 613.996.6666

Section 2. Hazards Identification

2.1 Classification

OSHA Regulatory Status: This material is considered hazardous by the 2012 OSHA Hazard Communication Standard (CFR 1910.1200).

WHMIS:	D2A Very Toxic Material D2B Toxic Materials	
	Acute Toxicity: Oral	Category 4
	Acute Toxicity: Dermal	Category 4
	Specific Target Organ Toxicity (Single Exposure)	Category 3
	Serious Eye Damage/Eye Irritation	Category 2
	Specific Target Organ Toxicity (Repeated Exposure)	Category 2
	Acute Aquatic Toxicity	Category 1
	Chronic Aquatic Toxicity	Category 1

2.2 Label Elements:

Pictogram:



Signal Word: Warning

Hazard Statements:

- H302:** Harmful if swallowed.
- H336:** May cause drowsiness or dizziness.
- H312:** Harmful in contact with skin.
- H319:** Causes serious eye irritation.
- H372:** May cause damage to organs through prolonged or repeated exposure.
- H410:** Very toxic to aquatic life with long lasting effects.

Precautionary Statements:	<p>P264: Wash face, hands and any exposed skin thoroughly after handling.</p> <p>P270: Do not eat, drink, or smoke when using this product.</p> <p>P271: Use only outdoors or in well-ventilated area.</p> <p>P280: Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>P260: Do not breathe dust/fume/gas/mist/vapours/spray.</p> <p>P284: [In case of inadequate ventilation] wear respiratory protection.</p> <p>P273: Avoid release to the environment.</p>
Response:	<p>P314: Get medical advice/attention if you feel unwell.</p> <p>P305+P351+P338+P313: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Get medical advice/attention.</p> <p>P302+P350: IF ON SKIN: Gently wash with plenty of soap and water.</p> <p>P332+P313: If skin irritation occurs: Get medical advice/attention.</p> <p>P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P301+P330: IF SWALLOWED: Rinse mouth with water (only if person is conscious). Call a POISON CENTRE/doctor if you feel unwell.</p>
Storage:	P403+P233: Store in a well-ventilated space. Keep container tightly closed.
Disposal:	P501: Dispose of contents/containers in accordance with local/regional/national/international regulations.

Section 3. Composition and Ingredient Information

Hazardous Ingredients	%	T.L.V.	C.A.S. #	LD/50,	Route, Species
1,4 Butanediol	7-13	N/D	110-63-4	1500mg/Kg >2000mg/Kg	oral, rat dermal, rat
Benzenediamine,ar,ar-diethyl-ar-methyl-	7-13	N/D	68479-98-1	738 mg/kg >2000 mg/Kg	oral, rat dermal,rat

Note: Composition ranges are given to protect proprietary information.

Section 4. First Aid Measures

Eye Contact:	In case of contact, immediately flush eyes with plenty of water for at least 5 minutes. Consult a physician if irritation continues.
Skin Contact:	In case of contact, immediately flush skin with plenty of soap and water. Remove contaminated clothing. Wash clothing before reuse.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Obtain medical attention.
Ingestion:	If ingested, consult a physician. Do not induce vomiting. Never give anything by mouth to an unconscious person.

Section 5. Fire Fighting Measures

Flash Point:	>200° (CC).
Auto Ignition Temperature (C):	Not available.
Upper Explosive Limit:	Not available.
Lower Explosive Limit:	Not available.
Extinguishing Media:	Carbon Dioxide, dry chemical, foam. Water spray.
Hazardous Combustion Products:	By fire: protect against potentially toxic and irritating fumes.
Sensitivity to Mechanical Impact:	Not expected to be sensitive to mechanical impact.
Sensitivity to Static Discharge:	Not expected to be sensitive to static discharge.
Special Fire Fighting Procedures:	Cool fire-exposed containers with water spray. Heat will cause pressure buildup and may cause explosive rupture. Firefighter should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes.

Section 6. Accidental Release Measures

Leak/Spill: Spills should be contained, solidified, and placed in suitable containers for disposal in a licensed facility. Wear respiratory protection and protective clothing. Provide adequate ventilation. It can be mechanically removed from water due to insolubility.

Section 7. Handling and Storage

Handling Procedures: Avoid skin and eye contact. Avoid breathing fumes. Remove contaminated clothing before reuse. Maintain good personal hygiene.

Storage Needs: Store in a cool and dry place, for product integrity. Store in tightly sealed container and protect from moisture and foreign materials. Keep container closed when not in use.

Section 8. Exposure Controls and Personal Protection.

Protective Equipment:

Eye/Type: Liquid chemical goggles. Contact lenses should not be worn.

Respiratory/Type: At least an air-purifying respirator equipped with an organic vapour cartridge and particulate pre-filters must be worn.

Gloves/Type: Rubber or plastic gloves. Butyl rubber gloves. Nitrile rubber; a barrier cream. Practice good hygiene; wash thoroughly before handling any food.

Clothing/Type: Wear adequate protective clothes.

Other/Type: Eyewash fountain. Emergency shower should be in close proximity.

Ventilation Requirements: Ventilate adequately.

Section 9. Physical and Chemical Properties

Physical State: Liquid.

Odor: Little or no odor.

Specific Gravity: Approximately 1.12.

Odor Threshold (ppm): Not applicable.

Vapor Pressure (mm Hg): Not available.

Vapor Density (Air=1): Not available.

Evaporation Rate: Not available.

Boiling Point: Not available.

PH: Not available.

Solubility in Water: Not soluble.

Freezing Point (°C): Not available.

Melting Point (°C): Not applicable.

Section 10. Stability and Reactivity

Incompatibility: No specific materials to avoid.

Reactivity Conditions: Exposure to high heat.

Hazardous products of Decomposition: By fire: Carbon Monoxide/ Dioxide. Other possibly irritating gases.

Section 11. Toxicological Information

Acute Toxicity/Effects: No data for product itself.

Information on components:

Benzenediamine,ar,ar-diethyl-ar-methyl-

Acute Oral Toxicity (LD50) 738 mg/Kg Rat
Acute Dermal Toxicity (LD50) >2000 mg/Kg Rabbit

1,4 Butanediol

Acute Oral Toxicity (LD50) 1500 mg/Kg Rat
Acute Dermal Toxicity (LD50) >2000 mg/Kg Rat
Acute Inhalation Toxicity (LC50) >5.1 mg/l Rat, 4hr

Chronic Toxicity Effects:

Irritancy of Material: Irritant.

Sensitizing Capability of Material: Not available.

Carcinogenicity of Material: Not classified as carcinogenic.

Teratogenicity: Not available.

By fire: Carbon Monoxide/Dioxide Other possibly irritating gases: Not available.

Reproductive Effects: Not available.

Synergistic Materials: None known.

Section 12. Ecological Information

Aquatic Toxicity:

Product Itself: Water Flea LC50 89.6 mg/l

Benzenediamine,ar,ar,-diethyl-ar-methyl

Freshwater Fish LC50 (48hr) 200 mg/l
Freshwater Algae EC10/72 hr 54 mg/l
Water Flea LC50 (48 hr) 0.5 mg/l

1,4 Butanediol

Fish Pimephales promelas LC50 (96 hr) >30,000 mg/l
Daphnia Magna EC50 (48hr) 813 mg/l
Aquatic Plants Scenedesmus subspicatus EC50 (72 hr) >500 mg/l

Product Itself:

Persistence/Degradability: Poorly Biodegradable.

Bioaccumulation: Accumulation in organisms is not expected.

Section 13. Disposal Considerations

Waste Disposal: In accordance with municipal, provincial and federal regulations. Empty containers must be handled with care due to product residue. Do not heat or cut empty containers with electric or gas torch.

Section 14. Transport Information

T.D.G. Classification: Non-regulated.

Section 15. Regulatory Information

Canadian DSL:	Components of this product (conc. 0.05%) are not on the DSL. The supplier of monitors the imports and ensures that this product will be imported into Canada in accordance with the new substances notification regulations.
USA TSCA:	All components of this product are listed on the TSCA inventory
CERCLA Hazardous Substances (40 CFR 302):	None Reported.
SARA 311/312:	One component of this product (Conc 0.2%) is reportable: Immediate (Acute) Health Hazard. Delayed (Chronic) Health Hazard.
SARA 313:	None Reportable.
State Regulations:	The following chemicals are specifically listed by individual States:
Dibutyltin Dilaurate:	CAS 77-58-7. Concentration (0.2%). New Jersey Hazardous Substances NJ – HS. Massachusetts Substances MA – S Massachusetts Extraordinary Hazardous Substances MA – Extra HS Pennsylvania RTK Hazardous Substances PA-RTK-HS Pennsylvania Special Hazardous Substances PA-Special HS
California Prop. 65:	To the best of our knowledge, this product does not contain any listed chemicals which the State of California has found to cause cancer, birth defects or other reproductive harm.

Section 16. Other Information

Revision Date:	February 3, 2023.
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