

Section 1. Product and Company Identification

Product Name	PRECIDIUM™ Epoxy 21-SL Part A Resin
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) www.quantumchemical.com
Chemical Emergencies	For 24-Hour Emergency call Canutec at 613.996.6666

Section 2. Hazards Identification

2.1 Classification

GHS Classification

Skin Irritation	Category 2
Skin Sensitizer	Category 3

2.2 Label Elements

Pictogram



Signal Word	Warning
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Hazard Statements	H317 May cause an allergic skin reaction
	H315 Causes skin irritation
	H320 Causes eye irritation
	H412 Harmful to aquatic life with long lasting effects

Precautionary Statements	P280 Wear protective gloves/protective clothing/eye protection/face protection.
	P271 Use only outdoors or in a well ventilated area.
	P264 Wash face, hands and any exposed skin thoroughly after handling.

Response	<p>P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].</p> <p>P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists get medical attention.</p> <p>P332 + P313 If skin irritation occurs Get medical advice/attention</p> <p>P337 + P313 If eye irritation persists: Get medical advice/attention</p>
Disposal	P501 Dispose of contents/containers in accordance with local/regional/national/international regulations.

Section 3. Composition and Ingredient Information

Hazardous Ingredients	%	C.A.S. #	LD ₅₀	LC ₅₀
Reaction Product of Epichlorohydrin and bisphenol A Mixture of DGEBCPA(C ₂₁ H ₂₄ O ₄) Component and higher homologues	65 – 85	25068-38-6		
Titanium Dioxide	10 - 30	13463-67-7		

Section 4. First Aid Measures

Eye Contact	Immediately flush eyes with running water for a minimum of 15 minutes. Hold eyelids open during flushing. Check for and remove any contact lenses. If irritation persists, repeat flushing. Obtain medical attention. If necessary call a physician.
Skin Contact	If irritation, redness or a burning sensation develops and persists, obtain medical advice. Contaminated clothing should be thoroughly cleaned before reuse.
Inhalation	Remove patient from exposure, keep warm and at rest. If breathing is labored, oxygen should be administered by qualified personnel. Obtain medical attention if there are persistent symptoms.
Ingestion	Wash out mouth with water. If material has been swallowed and exposed person is conscious, give water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person. Get medical attention. If necessary call a poison center or Physician.

Section 5. Fire Fighting Measures

Extinguishing Media	Alcohol-resistant foam. Carbon dioxide, dry chemical.
Unsuitable Extinguishing Media	Full water jet.
Special Protective equipment and precautions for firefighters	Fire fighters must wear full protective equipment including self-contained breathing apparatus with chemical protection clothing.
Special Hazards	Keep containers cool by spraying with water if exposed to fire.

Section 6. Accidental Release Measures

Personal Precautions	Ventilate area.
Method for Cleaning Up	Dike area to prevent spreading. Cover spills with some inert absorbent material, sweep up and place in a waste disposal container. Remove containers to a safe place and cover loosely.

Section 7. Handling and Storage

Handling	Do not breath vapor or mist. Do not ingest. No special precautions are necessary if used as intended.
Storage Needs	Store in a cool dry, well ventilated space, protect from direct sunlight., and keep container tightly closed. Keep away from source of ignition and food and drink. Keep out of reach of children.

Section 8. Exposure Controls and Personal Protection

Protective Equipment:

Eye Protection	Wear safety glasses, or tightly fitting goggles/faceshield is splashing hazard exists.
Hands and Body	Impervious clothing/gloves

Section 9. Physical and Chemical Properties

Physical State	Liquid
Appearance	Not Available
Odour	Not Available
Specific Gravity (H ₂ O=1)	Approx 1.38 at 20°C
Flash Point	Not Available
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	Easily soluble
Freezing Point	Not Available
Melting Point	Not Available
Viscosity	Not Available
Flammability	Not Flammable
Upper/Lower explosion/ flammability limit	Not Available

Section 10. Stability and Reactivity

Stability	This product is stable.
Conditions to Avoid	
Polymerization	Caustic can induce vigorous polymerization at temperatures around 200C
Materials to Avoid	Strong Oxidizing agents

Section 11. Toxicological Information

Acute Toxicity

Reaction Product of
Epichlorohydrin and bisphenol A
Mixture of DGEBA(C₂₁H₂₄O₄)
Component and higher
Homologues

Acute Oral	LD50	>5000 mg/kg
Acute Dermal	LD50	>6000 mg/kg

Section 12. Ecological Information

Toxicity

Reaction Product of
Epichlorohydrin and bisphenol A
Mixture of DGEBPA(C₂₁H₂₄O₄)
Component and higher
Homologues

Rainbow Trout (96 hr)	LC50	1.5 mg/L
Zebra Fish (96 hr)	LC50	2.4 mg/L
Daphnia (24 hr)	EC50	3.6 mg/L

Section 13. Disposal Considerations

Waste Disposal

The generation of waste should be avoided or minimized wherever possible. Disposal should be in accordance with federal, provincial and municipal regulations.

Section 14. Transport Information

Canada

TDG
UN3082, Environmentally Hazardous Substance N.O.S. (Reaction product Bisphenol A (epichlorohydrin) Epoxy Resin, Class 9, PG III)

IATA

UN3082, Environmentally Hazardous Substance N.O.S. (Reaction product Bisphenol A (epichlorohydrin) Epoxy Resin, Class 9, PG III)

Section 15. Regulatory Information

Section 16. Other Information

Revision Date

March 19, 2025

Note

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