

Safety Data Sheet

ResinTech TCU — Aliphatic Top Coat Urethane
 Two-component, water-based polyurethane protective coating
 Part A Resin Component / Part B Aliphatic Polyisocyanate Hardener
 Canada / WHMIS — Professional Flooring Use

TWO-COMPONENT	WATER-BASED	CONTAINS HDI	PROFESSIONAL USE
Product name	ResinTech TCU — Aliphatic Top Coat Urethane		
Product code	RT-TCU-SDS-2.1		
Manufacturer	ResinTech Products, North Vancouver, BC · resintechproducts.com		
Emergency telephone (Canada)	CANUTEC 1-613-996-6666		
Emergency telephone (USA)	CHEMTREC 1-800-424-9300		
Recommended use	Professional use only		
Revision date	February 2026		

Prepared in accordance with WHMIS 2015 (Canada's Hazardous Products Regulations) and the OSHA Hazard Communication Standard. Classification is based on the disclosed composition of this two-component, water-based aliphatic polyurethane coating.

Section A — TCU Part A: Resin Component

1. Identification	
Product name	ResinTech TCU — Part A
Product use	Polyurethane coating resin component
Recommended use	Professional use only
Manufacturer	ResinTech Products, North Vancouver, BC · resintechproducts.com
Emergency telephone (Canada)	CANUTEC 1-613-996-6666
Emergency telephone (USA)	CHEMTREC 1-800-424-9300
2. Hazard Identification	



Classification (GHS / WHMIS 2015): Eye Irritation — Category 2A; Skin Sensitization — Category 1.

Signal word: Warning

Pictogram: GHS07 (exclamation mark). Verify against official GHS pictogram artwork on the final published SDS and product label.

Hazard statements

- H317 — May cause an allergic skin reaction.
- H319 — Causes serious eye irritation.

Precautionary statements

- P261 — Avoid breathing mist or spray.
- P280 — Wear protective gloves and eye protection.

- P302 + P352 — IF ON SKIN: Wash with plenty of water.
- P305 + P351 + P338 — IF IN EYES: Rinse cautiously with water for several minutes.
- P333 + P313 — If skin irritation or rash occurs: Get medical advice.

3. Composition / Information on Ingredients

Mixture. Exact percentages withheld as trade secret.

Component	CAS No.	Approx. %	Classification
Water-based polyurethane dispersion	Proprietary	40–60%	Not classified
Glycol ether (e.g., DPM)	34590-94-8	5–10%	Eye Irrit. 2B
Additives	Proprietary	< 5%	Not classified

4. First-Aid Measures

Exposure route	First aid
Inhalation	Move to fresh air. Seek medical attention if symptoms persist.
Skin contact	Wash with soap and water. Remove contaminated clothing.
Eye contact	Rinse cautiously with water for at least 15 minutes.
Ingestion	Do not induce vomiting. Seek medical advice.
Most important symptoms	Irritation, redness, allergic skin reaction in sensitive individuals.

5. Fire-Fighting Measures

Suitable extinguishing media	Water spray, foam, dry chemical, carbon dioxide.
Flash point	> 100 °C
Hazardous combustion products	Carbon oxides.
Protective equipment	Self-contained breathing apparatus (SCBA).

6. Accidental Release Measures

Contain spill with inert absorbent material. Prevent entry into drains and waterways. Wear appropriate PPE during cleanup.

7. Handling and Storage

Avoid contact with skin and eyes. Use adequate ventilation. Store in original sealed containers. Protect from freezing. Recommended storage temperature: 10–25 °C.

8. Exposure Controls / Personal Protection

Exposure limits (glycol ether, if present)	OSHA PEL: 100 ppm. ACGIH TLV: 100 ppm (150 ppm STEL).
PPE	Safety glasses or goggles; nitrile gloves; protective clothing; respirator if ventilation is insufficient.

9. Physical and Chemical Properties

Property	Value
Appearance	Milky liquid

Property	Value
Odour	Mild
pH	Approx. 7–9
Flash point	> 100 °C
Density	~1.05 g/cm ³
VOC	< 100 g/L

10. Stability and Reactivity

Stable under recommended storage conditions. Avoid freezing and excessive heat. No hazardous polymerization expected.

11. Toxicological Information

Likely routes of exposure	Skin, eyes, inhalation.
May cause	Eye irritation; skin irritation; allergic skin reaction in sensitized individuals.
Carcinogenicity	No components classified as carcinogenic by IARC, OSHA, or NTP.

12. Ecological Information

Avoid release into the environment. Not classified as environmentally hazardous. Components may not be readily biodegradable.

13. Disposal Considerations

Dispose in accordance with local regulations. Do not discharge into drains.

14. Transport Information

Not regulated as dangerous goods (TDG / DOT).

15. Regulatory Information

All components listed on: Canadian DSL; US TSCA Inventory.

16. Other Information

Prepared in accordance with WHMIS 2015 and the OSHA Hazard Communication Standard. Revision date: February 2026.

Section B — TCU Part B: Aliphatic Polyisocyanate Hardener

1. Identification

Product name	ResinTech TCU — Part B
Product use	Polyurethane hardener component
Manufacturer	ResinTech Products, North Vancouver, BC · resintechproducts.com (same as Part A)
Emergency telephone (Canada)	CANUTEC 1-613-996-6666
Emergency telephone (USA)	CHEMTREC 1-800-424-9300

2. Hazard Identification



Classification (GHS / WHMIS 2015): Combustible Liquid — Category 4; Acute Toxicity (Inhalation) — Category 4; Skin Irritation — Category 2; Eye Irritation — Category 2A; Skin Sensitization — Category 1; STOT SE (Respiratory Irritation) — Category 3.

Signal word: Warning

Pictogram: GHS07 (exclamation mark). Combustible-liquid (Category 4) carries no GHS pictogram. Verify against official GHS pictogram artwork on the final published SDS and product label.

Hazard statements

- H227 — Combustible liquid.
- H315 — Causes skin irritation.
- H317 — May cause an allergic skin reaction.
- H319 — Causes serious eye irritation.
- H332 — Harmful if inhaled.
- H335 — May cause respiratory irritation.

3. Composition / Information on Ingredients

Exact percentages withheld as trade secret.

Component	CAS No.	Approx. %	Classification
Aliphatic polyisocyanate (HDI-based)	666723-27-9	60–75%	Skin Sens. 1; Acute Tox. 4
Amine catalyst	Proprietary	< 3%	Skin / Eye irritant

4. First-Aid Measures

Exposure route	First aid
Inhalation	Move to fresh air. Seek medical attention if breathing difficulty occurs.
Skin contact	Wash immediately with soap and water.
Eye contact	Rinse cautiously with water for 15 minutes. Seek medical advice.
Ingestion	Do not induce vomiting. Seek immediate medical attention.
Symptoms	Respiratory irritation, coughing, skin sensitization.

5. Fire-Fighting Measures

Extinguishing media	Foam, dry chemical, CO ₂ .
Flash point	Approx. 80–90 °C.
Hazardous decomposition	Carbon monoxide, nitrogen oxides.
Protective equipment	Use SCBA.

6. Accidental Release Measures

Evacuate area. Wear full PPE including respiratory protection. Absorb with inert material. Prevent environmental release.

7. Handling and Storage

Avoid inhalation of vapours or mist. Use in well-ventilated areas. Keep container tightly closed. Protect from moisture contamination.

8. Exposure Controls / Personal Protection

Engineering controls	Use adequate mechanical ventilation.
Recommended PPE	Nitrile or butyl rubber gloves; protective clothing; safety goggles; organic-vapour respirator if ventilation is inadequate.

9. Physical and Chemical Properties

Property	Value
Appearance	Clear to slightly amber liquid
Odour	Slight
Flash point	~85 °C
Density	~1.10 g/cm ³

10. Stability and Reactivity

Reacts with water forming carbon dioxide. Avoid moisture contamination. Stable under recommended storage conditions.

11. Toxicological Information

May cause respiratory irritation. May cause an allergic skin reaction. Repeated exposure may lead to sensitization.

12. Ecological Information

Avoid release to the environment. Not classified as highly toxic to aquatic life.

13. Disposal Considerations

Dispose of contents / container in accordance with local regulations.

14. Transport Information

May be classified as a combustible liquid depending on jurisdiction. Check local transport regulations (TDG / DOT).

15. Regulatory Information

Components listed on DSL and TSCA inventories.

16. Other Information

Revision date: February 2026. Prepared in accordance with WHMIS 2015 and the OSHA HCS.