

Safety Data Sheet

ResinTech TUE — Transparent Universal Epoxy
Two-component, 100% solids epoxy flooring system
Part A Epoxy Resin / Part B Epoxy Hardener
Canada / WHMIS — Professional Flooring Use

100% SOLIDS	LOW VOC < 50 g/L	ROLLER / SQUEEGEE	NO SPRAY USE
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Supplier	ResinTech
Website	resintechproducts.com
Emergency telephone	CANUTEC: 1-888-CAN-UTEC (226-8832), 613-996-6666, or *666 cellular in Canada
Supplier address	Not listed
Product code	TUE
System type	Two-component, 100% solids, low-odour clear epoxy flooring system
Mix ratio	2:1 by volume, Part A to Part B
Intended use	Professional resinous flooring coating for prepared concrete; base coat, build coat, broadcast binder, and protected top-coat use
Application method	Roller, squeegee, notched squeegee, gauge rake, and backrolling
Version / date	Version 2.0 / 2026-07-01

Prepared for professional workplace hazard communication. This SDS uses available ResinTech product data and established hazard profiles for comparable 100% solids, UV-resistant flooring epoxies and amine hardeners.

Section A — TUE Part A: Epoxy Resin

1. Identification

Product identifier	ResinTech TUE — Part A Epoxy Resin
Recommended use	Epoxy resin component for professional flooring systems. Mix with TUE Part B at 2:1 by volume.
Restrictions	Professional / industrial use only. Not for spray application under this SDS.
Supplier	ResinTech · resintechproducts.com · Address not listed
Emergency telephone	CANUTEC: 1-888-CAN-UTEC (226-8832), 613-996-6666, or *666 cellular in Canada

2. Hazard identification



Signal word	Warning
Classification	Skin Irritation Category 2; Eye Irritation Category 2A; Skin Sensitization Category 1; Aquatic Chronic Category 2.
Hazard statements	Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Toxic to aquatic life with long-lasting effects.
Jobsite quick profile	Health 2 Flammability 1 Physical hazard 0. Low-odour, low-volatility liquid; avoid skin contact and uncured release to drains.

Precautionary statements	Wear protective gloves and eye protection. Avoid breathing vapours / mist. Wash thoroughly after handling. Avoid release to the environment. Collect spillage.
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3. Composition / information on ingredients

Ingredient / identity	CAS No.	Concentration
Bisphenol-A / bisphenol-F epoxy resin blend	Proprietary / resin blend	55–85%
Alkyl glycidyl ether reactive diluent	Proprietary / representative: 68609-97-2	5–25%
UV absorber / HALS stabilizer and performance additive package	Proprietary	0.5–8%
Non-hazardous additives, wetting / flow agents, pigments if field-pigmented	Proprietary	0–10%

Composition is presented in supplier-style ranges suitable for workplace hazard communication. Exact formulation is proprietary.

4. First-aid measures

Exposure route	First aid
Inhalation	Move to fresh air. Keep comfortable for breathing. Get medical attention if symptoms develop.
Skin contact	Remove contaminated clothing. Wash with soap and water. Do not use solvents on skin. Get medical attention if irritation or rash occurs.
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Get medical attention if irritation persists.
Ingestion	Rinse mouth. Do not induce vomiting. Get medical attention.
Most important symptoms	Skin and eye irritation; allergic skin reaction in sensitized individuals.

5. Fire-fighting measures

- Combustible liquid; not classified as a WHMIS flammable liquid under normal handling.
- Flash point: typically greater than 93 °C (closed cup) for comparable 100% solids clear epoxy resins.
- Suitable extinguishing media: dry chemical, CO₂, foam, or water fog. Do not use a high-pressure water jet.
- Combustion may produce carbon monoxide, carbon dioxide, aldehydes, phenolic fumes, and irritating organic vapours.
- Firefighters should wear full protective gear and self-contained breathing apparatus.

6. Accidental release measures

- Restrict access and wear the PPE specified in Section 8.
- Prevent entry into drains, soil, and waterways.
- Contain and absorb with sand, vermiculite, or commercial absorbent.
- Place in a labelled chemical-waste container. Clean residue with a suitable cleaning method.
- Uncured material is slippery and may create a fall hazard.

7. Handling and storage

- Use with adequate ventilation. Avoid skin and eye contact.
- Keep containers closed when not in use. Avoid moisture contamination.
- Store in original sealed containers in a cool, dry, well-ventilated area away from direct sunlight.
- Keep away from strong oxidizers, strong acids, strong bases, and amines except during controlled mixing with TUE Part B.
- Mixed epoxy may generate heat. Do not leave mixed material in a concentrated mass; spread promptly after mixing.

8. Exposure controls / personal protection

Control / PPE	Requirement
Ventilation	General ventilation is normally suitable for roller / squeegee use; increase ventilation in enclosed areas.
Eye / face	Chemical safety goggles. Face shield when pouring or where a splash risk exists.
Hands	Nitrile, neoprene, or other chemical-resistant gloves suitable for epoxy resin.
Body	Long sleeves and protective clothing. Chemical-resistant apron where a splash risk exists.
Respiratory	Not normally required with good ventilation. Use a NIOSH-approved organic-vapour respirator if ventilation is poor or odour is noticeable.
Hygiene	Wash hands after use. Remove contaminated clothing and wash before reuse.

9. Physical and chemical properties

Property	Typical value
Physical state	Liquid
Appearance	Clear to slightly amber liquid; may be field-pigmented
Odour	Low, mild epoxy odour
VOC	< 50 g/L for mixed system
Solids content	100% by weight for mixed system
Boiling point / range	> 150 °C typical for comparable clear epoxy resin systems
Flash point	> 93 °C closed cup typical; not classified as WHMIS flammable
Relative density	1.08–1.15 typical
Weight per gallon	Approx. 9.0–9.6 lb/gal typical
Viscosity	Medium-viscosity liquid; pourable / self-levelling when mixed
Vapour pressure	Very low
Water solubility	Negligible / not readily soluble
Evaporation rate	Slower than n-butyl acetate
pH	Not applicable

10. Stability and reactivity

- Stable under normal storage and handling conditions.
- Avoid excessive heat, open flame, moisture contamination, and incompatible materials.
- Incompatible with strong oxidizers, strong acids, strong bases, and uncontrolled amines.
- Hazardous polymerization is not expected in the unopened component; heat is generated when mixed with hardener.
- Decomposition may produce CO, CO₂, phenolic fumes, aldehydes, and irritating vapours.

11. Toxicological information

- Routes of exposure: skin, eyes, inhalation of vapours / mist, and accidental ingestion.
- Skin: causes irritation; repeated contact can cause dermatitis and sensitization.
- Eyes: causes serious irritation.
- Sensitization: may cause an allergic skin reaction.
- Carcinogenicity: no component is intentionally added as a carcinogen at reportable levels, based on typical epoxy resin SDS profiles.

12. Ecological information

- Toxic to aquatic life with long-lasting effects before cure.
- Do not discharge uncured material to drains, soil, or waterways.
- Resin may persist in the environment before cure.
- Cured epoxy is expected to be relatively inert; dispose of according to local requirements.

13. Disposal considerations

- Dispose of uncured material and contaminated absorbent through an approved chemical-waste service.
- Do not pour into drains or storm systems.
- Empty containers retain residue and should be handled as contaminated packaging.
- Small mixed residues may be allowed to cure in a safe, ventilated area where permitted, then disposed of according to local requirements.

14. Transport information

TDG / transport item	Classification
UN number	UN3082
Proper shipping name	Environmentally hazardous substance, liquid, n.o.s. (epoxy resin)
Hazard class	9
Packing group	III
Marine pollutant	Yes / environmentally hazardous
Notes	Limited-quantity or small-package provisions may apply depending on package size, mode, and carrier requirements.

15. Regulatory information

- WHMIS status: Hazardous product.
- WHMIS pictograms: Exclamation mark; Environment used for hazard communication.
- Recommended supplier label elements: product identifier, signal word Warning, hazard statements, precautionary statements, pictograms, supplier identifier, and reference to the SDS.
- Professional / industrial use only.

16. Other information

Prepared for	ResinTech · resintechproducts.com
Version / revision	2.0 / 2026-07-01
Basis	Available ResinTech TUE TDS data and benchmark SDS information for comparable 100% solids, UV-resistant flooring epoxy resin components. Roller / squeegee use only; no spray application.

Section B — TUE Part B: Epoxy Hardener

1. Identification

Product identifier	ResinTech TUE — Part B Epoxy Hardener
Recommended use	Amine hardener component for professional epoxy flooring systems. Mix with TUE Part A at 2:1 by volume, Part A to Part B.
Restrictions	Professional / industrial use only. Not for spray application under this SDS.
Supplier	ResinTech · resintechproducts.com · Address not listed

Emergency telephone CANUTEC: 1-888-CAN-UTEC (226-8832), 613-996-6666, or *666 cellular in Canada

2. Hazard identification



Signal word	Danger
Classification	Acute Toxicity Oral Category 4; Acute Toxicity Dermal Category 4; Skin Corrosion Category 1B/1C; Serious Eye Damage Category 1; Skin Sensitization Category 1; STOT SE Category 3; Aquatic Chronic Category 2.
Hazard statements	Harmful if swallowed or in contact with skin. Causes severe skin burns and eye damage. May cause an allergic skin reaction. May cause respiratory irritation. Toxic to aquatic life with long-lasting effects.
Jobsite quick profile	Health 3 Flammability 1 Physical hazard 0. The hardener is the more aggressive component: prevent all skin and eye contact.
Precautionary statements	Wear protective gloves, protective clothing, and eye / face protection. Use only with adequate ventilation. Do not breathe vapours or mist. Wash thoroughly after handling. Avoid release to the environment.

3. Composition / information on ingredients

Ingredient / identity	CAS No.	Concentration
Modified cycloaliphatic / aliphatic amine hardener blend	Proprietary	50–85%
Isophoronediamine / amine-functional crosslinker, or equivalent	Representative: 2855-13-2	5–25%
Amine accelerator / flexibilized amine package	Proprietary	5–25%
UV-compatible performance additives / wetting agents	Proprietary	0–8%

Composition is presented in supplier-style ranges for a professional amine-cured epoxy hardener. Exact formulation is proprietary.

4. First-aid measures

Exposure route	First aid
Inhalation	Move to fresh air. Keep comfortable for breathing. Get medical attention if cough, irritation, or breathing difficulty occurs.
Skin contact	Remove contaminated clothing immediately. Rinse skin with water / shower, then wash with soap and water. Get medical attention for burns, irritation, or rash.
Eye contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. Get immediate medical attention.
Ingestion	Rinse mouth. Do not induce vomiting. Get immediate medical attention.
Most important symptoms	Chemical burns, serious eye damage, respiratory irritation, skin sensitization, and allergic reaction may occur.

5. Fire-fighting measures

- Combustible liquid; not classified as a WHMIS flammable liquid under normal handling.
- Flash point: typically greater than 93 °C (closed cup) for comparable amine epoxy hardeners.
- Suitable extinguishing media: dry chemical, CO₂, foam, or water fog. Do not use a high-pressure water jet.
- Combustion may produce carbon monoxide, carbon dioxide, nitrogen oxides, ammonia / amine fumes, and irritating vapours.
- Firefighters should wear full protective gear and self-contained breathing apparatus.

6. Accidental release measures

- Restrict access and ventilate the area. Wear the full PPE specified in Section 8.
- Avoid all skin and eye contact. Do not breathe vapours or mist.
- Prevent entry into drains, soil, and waterways.
- Contain the spill and absorb with sand, vermiculite, or commercial absorbent.
- Collect into a labelled chemical-waste container. Clean residue carefully.

7. Handling and storage

- Use only with adequate ventilation. Avoid all skin and eye contact.
- Keep containers closed when not in use. Avoid moisture contamination.
- Store in original sealed containers in a cool, dry, well-ventilated area away from direct sunlight.
- Keep away from acids, oxidizers, and incompatible materials. Avoid uncontrolled contact with epoxy resins except during intentional mixing with TUE Part A.
- Mixed epoxy may generate heat. Do not leave mixed material in a concentrated mass or seal containers holding mixed, reacting material.

8. Exposure controls / personal protection

Control / PPE	Requirement
Ventilation	General and / or local ventilation sufficient to control vapours and odour; increase ventilation in enclosed areas.
Eye / face	Chemical splash goggles plus a face shield when mixing, pouring, or transferring hardener.
Hands	Nitrile, neoprene, butyl rubber, or other chemical-resistant gloves suitable for amine hardeners.
Body	Long sleeves and protective clothing. Chemical-resistant apron and boots where a splash risk exists.
Respiratory	Use a NIOSH-approved organic-vapour respirator if ventilation is poor, odour is noticeable, or respiratory irritation occurs.
Emergency equipment	Eyewash and washing facilities should be available where hardener is mixed or transferred.
Hygiene	Wash hands after use. Remove contaminated clothing immediately and wash before reuse.

9. Physical and chemical properties

Property	Typical value
Physical state	Liquid
Appearance	Clear to pale yellow / amber liquid
Odour	Low amine odour
VOC	< 50 g/L for mixed system
Solids content	100% by weight for mixed system
Boiling point / range	> 200 °C typical for amine hardener systems
Flash point	> 93 °C closed cup typical; not classified as WHMIS flammable
Relative density	0.95–1.05 typical
Weight per gallon	Approx. 8.0–8.8 lb/gal typical
Viscosity	Low-to-medium-viscosity liquid; approx. 450–1,500 cP typical at 23 °C
Vapour pressure	Low
Water solubility	Slightly to partially soluble depending on amine package
pH	Alkaline; approx. 10–11 typical

Property	Typical value
Evaporation rate	Slower than n-butyl acetate

10. Stability and reactivity

- Stable under normal storage and handling conditions.
- Avoid excessive heat, open flame, moisture contamination, and incompatible materials.
- Incompatible with acids, oxidizers, and uncontrolled epoxy resins except during intentional mixing with TUE Part A.
- Hazardous polymerization is not expected in the unopened component; reaction with epoxy resin generates heat.
- Decomposition may produce CO, CO₂, nitrogen oxides, ammonia / amine fumes, and irritating vapours.

11. Toxicological information

- Routes of exposure: skin, eyes, inhalation of vapours / mist, and accidental ingestion.
- Skin: corrosive; can cause burns and sensitization.
- Eyes: causes serious eye damage; immediate rinsing and medical attention are required.
- Inhalation: vapours / mist may irritate the nose, throat, and respiratory tract.
- Ingestion: harmful; may cause burns to the mouth, throat, and gastrointestinal tract.
- Repeated exposure may increase the risk of allergic sensitization.

12. Ecological information

- Toxic to aquatic life with long-lasting effects before cure.
- Do not discharge uncured hardener to drains, soil, or waterways.
- Amine hardeners can be harmful to aquatic organisms due to alkalinity and toxicity.
- Cured epoxy is expected to be relatively inert; dispose of according to local requirements.

13. Disposal considerations

- Dispose of uncured material and contaminated absorbent through an approved chemical-waste service.
- Do not pour into drains or storm systems.
- Empty containers retain corrosive / sensitizing residue and should be handled as contaminated packaging.
- Small mixed residues may be allowed to cure in a safe, ventilated area where permitted, then disposed of according to local requirements.

14. Transport information

TDG / transport item	Classification
UN number	UN2735
Proper shipping name	Amines, liquid, corrosive, n.o.s. (modified amine hardener)
Hazard class	8
Packing group	II or III depending on final packaging and formulation
Marine pollutant	Yes / environmentally hazardous
Notes	Limited-quantity provisions may apply depending on package size, mode, and carrier requirements. Shipment compliance is the responsibility of the shipper.

15. Regulatory information

- WHMIS status: Hazardous product.
- Pictograms: Corrosion; Exclamation mark; Environment used for hazard communication.

- Supplier label: product identifier, signal word Danger, hazard and precautionary statements, supplier identifier, and SDS reference. Professional / industrial use only.

16. Other information

Prepared for / version	ResinTech · resintechproducts.com · 2.0 / 2026-07-01
Basis	Available ResinTech TUE TDS data and benchmark SDS information for comparable 100% solids epoxy hardeners. Roller / squeegee use only; no spray application.