ResinTech SLT — Self-Levelling Topping

Product code SLT · SDS-SLT-2.1 · Version 2.1 · Issued 10 October 2026

Prepared to the format of Canada's Hazardous Products Regulations (WHMIS 2015) and the UN GHS.

CEMENT-BASED POWDER | DANGER | RESPIRABLE SILICA | PROFESSIONAL USE

Section 1 — Identification

Product identifier	ResinTech SLT — Self-Levelling Topping
Product code	SLT
Other means of identification	ResinTech SLC (former product name)
Product family	Cement-based self-levelling floor mortar (dry powder)
Package size	22.7 kg (50 lb) bag
Recommended use	Cementitious self-levelling floor topping (also usable as an underlayment)
Restrictions on use	Professional / industrial use only. Not for consumer use.
Supplier / distributor	ResinTech, Unit 103, 185 Forester Street, North Vancouver, BC, Canada
Supplier contact	1 (250) 233-3000 · info@resintechproducts.com · resintechproducts.com
Emergency telephone	CANUTEC (24-hour transport emergency): 1-888-226-8832 or 613-996-6666 (call collect); *666 from a cellphone in Canada. Product enquiries: ResinTech 1 (250) 233-3000 (business hours).

Section 2 — Hazard Identification

GHS / WHMIS 2015 classification

- Skin corrosion/irritation — Category 2 (H315)
- Serious eye damage/eye irritation — Category 1 (H318)
- Skin sensitization — Category 1 (H317) [associated with soluble chromium(VI) in cement]
- Specific target organ toxicity, single exposure (respiratory irritation) — Category 3 (H335)
- Carcinogenicity — Category 1A (H350) [respirable crystalline silica, inhalation]
- Specific target organ toxicity, repeated exposure — Category 1 (H372) [respirable crystalline silica, lungs]

Signal word: DANGER

Pictograms: GHS05 (corrosion) · GHS08 (health hazard) · GHS07 (exclamation mark).

Hazard statements

- H315 — Causes skin irritation
- H317 — May cause an allergic skin reaction
- H318 — Causes serious eye damage
- H335 — May cause respiratory irritation
- H350 — May cause cancer (by inhalation)
- H372 — Causes damage to lungs through prolonged or repeated inhalation exposure

Precautionary statements

- P102 — Keep out of reach of children
- P260 — Do not breathe dust
- P264 — Wash hands and exposed skin thoroughly after handling
- P280 — Wear protective gloves, eye protection and respiratory protection
- P302+P352 — IF ON SKIN: Wash with plenty of water
- P305+P351+P338 — IF IN EYES: Rinse cautiously with water for several minutes; remove contact lenses if present and easy to do; continue rinsing
- P304+P340 — IF INHALED: Remove person to fresh air and keep comfortable for breathing

- P308+P313 — IF exposed or concerned: Get medical advice/attention
- P403+P233 — Store in a well-ventilated place; keep container tightly closed
- P501 — Dispose of contents/container in accordance with local, provincial and federal regulations

Section 3 — Composition / Information on Ingredients

Mixture (dry cementitious powder). Hazardous components and concentrations below are per the manufacturer's declared composition. Minor processing additives, if present, form the balance and are not classified as hazardous.

Component	CAS No.	% by wt.	Classification (contribution)
Cement (Portland / hydraulic)	65997-15-1	40	Skin Irrit. 2; Eye Dam. 1; Skin Sens. 1; STOT SE 3
Crystalline silica (quartz)	14808-60-7	60	Carc. 1A; STOT RE 1 (inhalation)

Note: the crystalline-silica content (60%) is high and drives the carcinogen (H350) and STOT RE 1 (H372) classification of this product. Soluble chromium(VI) in cement is a recognized skin sensitizer; where a chromate reducing agent is used its effectiveness is limited by shelf life. Items pending manufacturer confirmation are listed in Section 16.

Section 4 — First-Aid Measures

Route	First aid
Inhalation	Remove to fresh air. If irritation, cough or breathing difficulty persists, get medical attention.
Skin contact	Remove contaminated clothing. Wash affected skin with plenty of water and mild soap. Wet cement is caustic and abrasive — for burns or persistent irritation, seek medical attention.
Eye contact	Rinse cautiously with water for at least 15 minutes, holding eyelids open and removing contact lenses if present. Obtain immediate medical attention — risk of serious eye damage / burns.
Ingestion	Do not induce vomiting. Rinse mouth with water and drink water. Get medical attention. Never give anything by mouth to an unconscious person.
Delayed effects	Repeated inhalation of respirable crystalline silica may cause silicosis and increases lung-cancer risk. Allergic skin reactions may be delayed.

Section 5 — Fire-Fighting Measures

Flammability	Non-combustible. The product does not burn and does not support combustion.
Extinguishing media	Use media appropriate to the surrounding fire. No restrictions.
Specific hazards	None from the product itself. Reacts slowly with water releasing heat.
Protection for firefighters	Wear a NIOSH-approved self-contained breathing apparatus and full protective gear for the surrounding fire.

Section 6 — Accidental Release Measures

Personal precautions	Avoid dust generation and inhalation. Wear respiratory protection, gloves and eye protection. Keep unprotected persons away.
Environmental precautions	Prevent entry into drains, sewers and watercourses; the product raises pH and sets to a solid mass.
Containment & cleanup	Dry methods: vacuum with a HEPA-filtered unit or carefully shovel to avoid dust. Do not dry-sweep. Avoid adding water to large quantities. Place in a labelled container for disposal.

Section 7 — Handling & Storage

Handling	Use with adequate ventilation and local exhaust where dust is generated, including when grinding or polishing the cured topping. Do not breathe dust. Avoid skin and eye contact with the powder and with wet, mixed material. Wash thoroughly after handling.
Storage	Store indoors in a cool, dry, well-ventilated place. Keep bags sealed and protected from moisture. Keep away from acids. **Shelf life 6 months from date of production in original unopened packaging.**
Incompatibilities	Acids, ammonium salts, aluminium powder (wet) — see Section 10.

Section 8 — Exposure Controls / Personal Protection

Component	Canada / ACGIH exposure limit (guidance)
Respirable crystalline silica (quartz)	ACGIH TLV-TWA 0.025 mg/m³ (respirable). Confirm provincial OEL (e.g. WorkSafeBC).
Portland cement	ACGIH TLV-TWA 1 mg/m³ (respirable); confirm provincial OEL.
Calcium sulfate / limestone (nuisance dust)	10 mg/m³ (inhalable) / 3 mg/m³ (respirable), guidance

Engineering controls	Provide local exhaust ventilation and/or dust-collection at points of dust generation. Use tools fitted with HEPA dust extraction; use wet grinding methods where practicable when polishing the cured topping.
Respiratory protection	Where dust may exceed exposure limits, wear a NIOSH/CSA-approved N95 or higher particulate respirator (P100 for prolonged or heavy dust).
Skin protection	Waterproof, alkali-resistant gloves; long sleeves; waterproof boots when working with wet material. Avoid contact between skin and wet cement.
Eye protection	Tight-fitting safety goggles. Do not wear contact lenses when handling.

Section 9 — Physical & Chemical Properties

Appearance	Grey free-flowing powder
Odour	Odourless / low odour
pH	Approx. 11–13 (in water / when mixed) — strongly alkaline
Solubility in water	Partially soluble; hydrates and sets to a solid mass
Bulk density	Approx. 1.2–1.6 g/cm³ (powder) — pending manufacturer confirmation (Section 16)
Melting / boiling point	Not applicable (inorganic solid)
Flash point	Not applicable (non-combustible)
Mixing ratio	**4.5–5.0 L water per 22.7 kg (50 lb) bag (approx. 20–22% by weight)**
VOC content	Negligible — pending manufacturer confirmation (Section 16)

Section 10 — Stability & Reactivity

Stability	Stable under normal conditions of storage and handling when kept dry.
Conditions to avoid	Moisture and humidity (premature hydration / setting).
Incompatible materials	Acids (vigorous reaction). Wet product reacts with aluminium and other reactive metals/ammonium salts, releasing hydrogen / ammonia gas.
Hazardous reactions	Reaction with water is exothermic. No hazardous polymerization.
Decomposition products	None under normal use.

Section 11 — Toxicological Information

Skin	Irritant; wet product is caustic and abrasive and can cause dermatitis and chemical burns.
Eyes	Causes serious eye damage; dust and wet product can cause burns and corneal injury.
Inhalation	Dust irritates the nose, throat and respiratory tract.
Sensitization	May cause an allergic skin reaction (soluble chromium(VI)).
Carcinogenicity	Respirable crystalline silica is classified IARC Group 1 / ACGIH A2 and is a known human carcinogen by inhalation. Portland cement is not classifiable as a carcinogen.
Chronic effects	Prolonged/repeated inhalation of respirable crystalline silica may cause silicosis and permanent lung damage.

Section 12 — Ecological Information

Ecotoxicity	Not classified as environmentally hazardous. Wet product raises water pH, which may harm aquatic organisms in concentration.
Mobility / persistence	Sets to an inert solid mass; low mobility once cured.
Other	Do not allow uncured product to enter drains, sewers or watercourses.

Section 13 — Disposal Considerations

Dispose of waste product, residues and contaminated packaging in accordance with applicable municipal, provincial and federal regulations. Cured material may generally be handled as inert construction waste; uncured powder and alkaline slurry may require management as a regulated waste. Do not discharge to drains. Empty bags may retain residual dust — handle accordingly.

Section 14 — Transport Information

TDG (Canada)	Not regulated as a dangerous good for transport (non-hazardous for TDG, IMDG, IATA).
UN number	None
Proper shipping name	Not applicable
Hazard class / packing group	Not applicable

Section 15 — Regulatory Information

Canada — WHMIS 2015	This product is classified under the Hazardous Products Regulations (SOR/2015-17). Hazard classes are listed in Section 2.
Domestic substances	Component substances are listed on or exempt from the Canadian DSL — pending manufacturer confirmation (Section 16).
US (reference)	Components appear on the US TSCA inventory; respirable crystalline silica is regulated by OSHA (29 CFR 1926.1153). Confirm before exporting (Section 16).

Section 16 — Other Information

Issue date	10 October 2026
Version	2.1 (document SDS-SLT-2.1)
Prepared by	ResinTech, based on manufacturer data and the standard hazard profile for Portland-cement-based self-levelling mortar
Basis	Format per WHMIS 2015 / Hazardous Products Regulations and UN GHS

Items pending manufacturer confirmation

- Exact cement type and CAS number (declared composition: 40% cement / 60% crystalline silica).
- Soluble chromium(VI) content, reducing agent used and its effective shelf-life date — relevant to the 6-month shelf life.
- Bulk density and VOC content (Section 9).

- DSL / TSCA inventory listing confirmation (Section 15).
- CANUTEC registration / emergency-response coverage for the Section 1 emergency number.
- Pictogram artwork: confirm the product label carries the official GHS pictograms named in Section 2.
- Section 8 lists a limit for calcium sulfate / limestone, which is not a component in Section 3; confirm whether it is present.

Disclaimer. This Safety Data Sheet has been prepared by ResinTech to the WHMIS 2015 / GHS format using the manufacturer's available data and the recognized hazard profile for Portland-cement-based self-levelling mortars. It is provided in good faith for guidance. The composition, exposure limits and final hazard classification must be verified against the manufacturer's formulation and, where required, validated by a competent person before the SDS is distributed or relied upon. The information relates only to this product and may not be valid if used with other materials. Users are responsible for safe use and compliance with applicable regulations.