




SAFETY DATA SHEET (SDS)

Section 1. Identification	
Product Name	SUMM-BASE
Product identifier	SUMM-BASE, Part A
Recommended use and restrictions on use	Floor coating
Initial supplier identifier	TOPLINE, 15-7150 Torbram Road, L4T 4B5, Mississauga, Canada Phone :647-648-9825
Emergency telephone number/restriction on use	Canada – CANUTEC Numéro 24 heures 613-996-6666

Section 2. Hazard Identification
Classification of hazardous product (name of the category or subcategory of the hazard class)
Skin corrosion / irritation (Category 2)
Serious eye damage / irritation (Category 2A)
Sensitization of the skin (Category 1B)
Acute toxicity , Oral (Category 5)
Hazardous to the aquatic environment –acute (Category 2)
Hazardous to the aquatic environment –chronic (Category 2)

Information elements (symbols, signal words, hazard statements and precautionary statements of the category/subcategory)

Hazard pictograms and signal word	Hazard Statements
 Warning	H303 May be harmful if swallowed H315 Causes skin irritation H317 May cause an allergic skin reaction H319 Causes serious eye irritation H401 Toxic to aquatic life H411 Toxic to aquatic life with long lasting effects

Precautionary Statements

Prevention P261 P264 P270 P272 P273 P280	Avoid breathing dust/fume/gas/mist/vapours/spray. Wash with plenty of water and soap thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.
Response P305 + P351 + P338 P337 + P313 P302 + P352	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 advice/attention. IF ON SKIN: Wash with plenty of water.



P333 + P313 P312 P362 + P364 P391	If skin irritation or rash occurs: Get medical advice/attention. Call a POISON CENTER doctor if you feel unwell. Take off contaminated clothing and wash it before reuse. Collect spillage.
Disposal P501	Dispose of contents/container into safe container in accordance with local, regional or national regulations.
Other hazards known	None

Section 3. Composition/Information on Ingredients

Chemical name (common name/synonyms)	CAS number or other	Concentration (%)*
Liquid epoxy resin	25085-99-8	60-100 %
Alkyl glycidyl ether	68609-97-2	1-10 %
Benzyl alcohol	100-51-6	1-10 %

*Statement - This safety data sheet provides concentration range(s) instead of the actual concentration(s) considered trade secret(s)

Section 4. First-Aid Measures

EYE CONTACT: 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 advice/attention.

SKIN CONTACT: IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention.

INGESTION: IF SWALLOWED: Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. Prevent aspiration of vomit. If swallowed: Call a POISON Center /doctor if you feel unwell.

INHALATION: IF INHALED: If overexposure remove person to fresh air and keep comfortable for breathing. If symptoms persist, seek medical attention.

Most important symptoms/effects: Prolonged or repeated contact may cause skin irritation with local redness. May cause eye irritation. Corneal injury is unlikely. Has caused allergic skin reaction in humans.

Indication of any immediate medical attention and special treatment needed: Provide general supportive measures and treat symptomatically.

General advice: If exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure the medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

Section 5. Fire-Fighting Measures

Specific hazards of the hazardous product (hazardous combustion products): Smoke, fume.

Suitable extinguishing media: In case of fire: Use water fog, foam, dry chemical powder, carbon dioxide (CO₂).

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this might spread the fire.

Special protective equipment and precautions for fire-fighters: During a fire, irritating/toxic smoke may be



generated. Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire –fighting clothing.



Avoid contact with this material during fire-fighting operations. If contact is likely, change the full chemical resistant fire-fighting clothing with self-contained breathing apparatus.

More Information: Fire residues and contaminated extinguishing water must be disposed of in accordance with local regulations. Do not allow run off against fires into drains or water courses.

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Evacuate non-emergency personnel. Isolate the area and prevent access. Control source of the leak. Ensure clean-up is conducted by trained personnel only. All persons dealing with clean-up should wear the appropriate protective equipment (See Section 8). Prevent the spill spread into drains, sewers, water supplies, or soil. Local authorities should be advised if significant spillage cannot be contained.

Methods and materials for containment and cleaning up: Large spills: Stop the flow of material, if you can do it without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent product from entering drains. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material. Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Dispose of in accordance with local, provincial and federal regulations.

Environmental Precautions

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

Section 7. Handling and Storage

Precautions for safe handling:

Avoid prolonged or repeated contact with skin. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. When using, do not eat, drink or smoke. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid use of electric band heaters. Avoid release to the environment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities: Store in a cool and dry, well-ventilated area. Store away from incompatible materials (Section 10). Keep container closed when not in use. Do not reuse empty container without commercial cleaning or reconditioning.

Section 8. Exposure Controls/Personal Protection

Control parameters (biological limit values or exposure limit values and source of those values):

Exposure limits:

CAS 25085-99-8	For Workers: Acute - systemic effects		
	Dermal 8.330 mg/kg bw/day	Inhalation 12.25 mg/m ³	
	For Consumers: Acute - systemic effects		
	Dermal 3.571 mg/kg bw/day	Inhalation 0.75 mg/m ³	
	For Workers: Long-term - systemic effects		
	Dermal 8.330 mg/kg bw/day	Inhalation 12.25 mg/m ³	
	For Consumers: Long-term - systemic effects		
	Dermal 3.571 mg/kg bw/day	Inhalation 0.75 mg/m ³	

CAS 68609-97-2 No exposure limits noted for the ingredient(s)

CAS 100-51-6 No exposure limits noted for the ingredient(s)

Appropriate engineering controls: Use product in well-ventilated areas. Local exhaust ventilation system is



recommended to maintain concentrations of contaminants below exposure limits. Supply emergency safety/quick-



drench shower, eyewash station and washing facilities available in work area and near handling area. Where such systems are not effective, wear suitable personal protection equipment which performs satisfactorily and meets recognized standards.

Individual protection measures/personal protective equipment:

Skin protection: Wear appropriate chemical resistant protective gloves. Wear tightly fitting safety goggles (chemical goggles).

Respiratory: Wear a NIOSH-certified (or equivalent) organic vapor/particulate respirator

Eye protection: Use splash-resistant safety goggles with a secondary face shield if splashing hazard exists. Provide an emergency eye wash station and a quick immersion shower in the immediate work area.

Special instructions for protection and hygiene: Wash hands/nails/face thoroughly after handling. Do not eat, drink or smoke when using this product. Practice good personal hygiene after using this material. Remove and wash contaminated work clothing before re-use. Educate and train employees in the safe use and handling of this product. Follow all label instructions.

Others : Not available

Section 9. Physical and Chemical Properties			
Appearance, physical state/colour	Transparent liquid, Clear	Vapour pressure	Not available
Odour	Odorless to mild	Vapour density	Not available
Odour threshold	Not available	Relative density	1.122 g/ml
pH	Not available	Solubility	Partial
Melting/freezing point	Not available	Partition coefficient - n-octanol/water	Not available
Initial boiling point/range	Not available	Auto-ignition temperature	Not available
Flash point	> 93°C(200°F)	Decomposition temperature	Not available
Evaporation rate	Not available	Viscosity	1200-1400cps
Flammability (solids and gases)	Not available	VOC	45g/L
Upper and lower flammability/explosive limits	Not available	Other	None known

Section 10. Stability and Reactivity

Reactivity: This product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability: This product is stable under normal conditions.

Possibility of hazardous reactions: This product will polymerize if mixed with an amine. Considerable heat can evolve.

Conditions to avoid (static discharge, shock or vibration): Avoid temperatures exceeding the flash point. Avoid unintended contact with amines.

Incompatible materials: Strong oxidizers, strong alkalis, strong mineral acids, amines.

Hazardous decomposition products: Unknown

Section 11. Toxicological Information

Information on the likely routes of exposure: May be harmful if swallowed. May cause skin irritation. May cause an allergic skin reaction. May cause eye irritation.



Symptoms related to the physical, chemical and toxicological characteristics: High airborne concentrations of



vapors may cause irritation of the respiratory tract and mucous membranes. Symptoms may include stinging, itching, tearing, redness, swelling, and blurred vision.

Delayed and immediate effects (chronic effects from short-term and long-term exposure):

Skin Sensitization- Sensitization after skin contact possible.

Respiratory Sensitization – No data available;

Germ Cell Mutagenicity – No data available;

Carcinogenicity – No ingredient listed by IARC, ACGIH, NTP or OSHA

Reproductive Toxicity – No data available;

Specific Target Organ Toxicity — Single Exposure – No data available;

Specific Target Organ Toxicity — Repeated Exposure – No data available;

Aspiration Hazard – No data available;

Health Hazards Not Otherwise Classified – No data available.

Numerical measures of toxicity (ATE; LD50 & LC50)

	LD50 Oral - Rat	LD50 Dermal – Rabbit	LC50 Inhalation	ATE
CAS 25085-99-8	>15000 mg/kg	23000 mg/kg	No data available	No data available
CAS 68609-97-2	17100mg/kg	>4.5mL/kg	No data available	No data available
CAS 100-51-6	1360mg/kg	No data available	No data available	No data available

Section 12. Ecological Information

Ecotoxicity (aquatic and terrestrial information):

Hazardous to the aquatic environment

CAS-No	Toxicity to fish
25085-99-8	LC50 : 2mg/l(Oncorhynchus mykiss (rainbow trout) 96h
68609-97-2	LC50 : >1800 mg/l (Fish) 96h ; LC50 : >5000 mg/l (Fish) 96h
100-51-6	LC50: 460 mg/l (Pimephales promelas (fathead minnow) 96h LC50: 10 mg/l (Lepomis macrochirus (bluegill) 96h LC50: 32 mg/l (Menidia peninsulae (silverside minnow) 96h

CAS-No	Toxicity to Aquatic Invertebrates
25085-99-8	EC50 : 1.8 mg/l (Daphnia magna(Water flea) 48h
68609-97-2	EC50 : 6.07-7,2 mg/l (Daphnia magna) 48h

Persistence and degradability: Not enough data available.

Bioaccumulative potential: Bioconcentration potential is moderate.

Mobility in soil: Low potential for mobility in soil.

Other adverse effects: No data available

Section 13. Disposal Considerations

Information on safe handling for disposal/methods of disposal/contaminated packaging

Dispose of contents/container into safe container in accordance with local, regional or national regulations.

Section 14. Transport Information



UN number; Proper shipping name; Class(es); Packing group (PG) of the TDG Regulations



UN3082; ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Liquid epoxy resin); CLASS 9; PACKING GROUP III.
UN number; Proper shipping name; Class(es); Packing group (PG) of the IMDG (maritime)
UN3082; ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Liquid epoxy resin); CLASS 9; PACKING GROUP III.
UN number; Proper shipping name; Class(es); Packing group (PG) of the IATA (air)
UN3082; ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Liquid epoxy resin); CLASS 9; PACKING GROUP III.
Special precautions (transport/conveyance)
May also be shipped as a LIMITED QUANTITY in accordance with TDG
Environmental hazards (IMDG or other)
Marine Pollutant
Bulk transport (usually more than 450 L in capacity)
Possible

Section 15. Regulatory Information

Safety/health Canadian regulations specifics: Refer to section 2 for the appropriate classification. This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR).

Environmental Canadian regulations specifics: Refer to Section 3 for ingredient(s) of the DSL

Safety/health/environmental outside regulations specifics: None

Section 16. Other Information

Date of the latest revision of the safety data sheet: Juin30,2020 - version 2

References: Safety Data Sheets from manufacturer/supplier & from Sigma-Aldrich.com & Echa.eurpea.eu.

Abbreviations

ACGIH	American Conference of Governmental Industrial Hygienists
ATE	Acute toxicity estimate
CAS	Chemical Abstract Service
DSL	Domestic Substance List
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods Code
LC	Lethal concentration
LD	Lethal Dosage
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program (U.S.A.)
OSHA	Occupational Safety and Health Administration (U.S.A.)
PEL	Permissible Exposure Limit
STEL	Short-term Exposure Limit
TDG	Transport of dangerous goods in Canada
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average
WHMIS	Workplace Hazardous Materials Information System

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