

SAFETY DATA SHEET (SDS)
Section 1. Identification

Product identifier	PRO SERIES, Part B (Top Coat Epoxy)
Other means of identification	FF-LP30-B
Recommended use and restrictions on use	Epoxy Coatings
Initial supplier identifier	Designer Epoxy, 43 Samson Boul, Suite 367, Laval, QC H7X 3R8, (514) 806 1235
Emergency telephone number/restriction on use	Canada – CANUTEC Number 24 hours 613-996-6666

Section 2. Hazard Identification

Classification of hazardous product (name of the category or subcategory of the hazard class)
Acute toxicity, oral and dermal toxicity (Category 4) Skin corrosion/irritation (Category 1C) Skin sensitization (Category 1) Specific target organ toxicity, single exposure; respiratory tract irritation (Category 3) Reproductive toxicity (Category 2) Hazardous to the aquatic environment, acute hazard (Category 3) Hazardous to the aquatic environment, long-term-hazard (Category 2)
Information elements (symbols, signal words, hazard statements and precautionary statements of the category/subcategory)


Warning

H302 + H312 Harmful if swallowed, in contact with skin.
 H314 Causes severe skin burns and eye damage.
 H317 May cause an allergic skin reaction.
 H335 May cause respiratory irritation
 H361 Suspected of damaging fertility or the unborn child
 H402 Harmful to aquatic life
 H411 Harmful to aquatic life with long lasting effects.

Prevention

P233 Keep container tightly closed. P260 + P261 Do not/avoid breath dust/fume/gas/mist/vapours/spry. P262 Do not get in eyes, on skin, or on clothing. P264 Wash hands/nails/face/eyes thoroughly after handling. P270 Do not eat, drink or smoke when using this product P271 Use only outdoors or in a well ventilated area P272 Contaminated work clothing should not be allowed out of the workplace. P273 Avoid release to the environment. P280 Wear gloves/protective clothing/gloves/eye protection/face protection. P284 In case of inadequate ventilation wear respiratory protection.

Response

IF SWALLOWED: P301 + P331 + P310 Do not induce vomiting. Immediately call a POISON CENTER. P330 Rinse mouth.
 IF ON SKIN: P302 + P352 Wash with plenty of water. P312 Call a POISON CENTER/doctor if you feel unwell. P333 + P313 If skin irritation or rash occurs: Get medical advice/attention. P362 + P364 Take off contaminated clothing and wash it before reuse.
 IF ON SKIN (OR HAIR): P303+P361+P353 Take off immediately all contaminated clothing. Rinse skin with water (or shower).
 IF INHALED: P304 + P340 Remove person to fresh air and keep comfortable for breathing. P310 Immediately call a POISON CENTER
 IF IN EYES: P305 + P351 + P338 Rinse cautiously with water. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER.
 ENVIRONMENT: P391 Collect spillage

Storage

P403 + P233 Store in a well-ventilated place. Keep container tightly closed P235 Keep cool P405 Stored locked up

Disposal

P501 Dispose of contents/container into safe container in accordance with local, regional or national regulations.

Other hazards known	None
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Section 3. Composition/Information on Ingredients

Chemical name (common name/synonyms)	CAS number or other	Concentration (%)*
Polyetheramine	9046-10-0	15 - 40 %
Isophorone Diamine	2855-13-2	10 - 30 %
Nonylphenol	84852-15-3	5 - 10%
Benzyl alcohol	100-51-6	10 - 30 %
Polymère en Bisphénol A / Epichlorohydrine	25068-38-6	10 - 30 %
Dimethyldicyan	6864-37-5	10 - 20 %

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

Section 4. First-Aid Measures	
Inhalation	IF INHALED: If overexposure remove person to fresh air and keep comfortable for breathing. If symptoms persist, seek medical attention.
Ingestion	IF SWALLOWED: Immediately call a doctor. Prevent aspiration of vomit. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Rinse mouth thoroughly with water.
Skin contact	IF ON SKIN: Remove contaminated clothing, wash immediately with soap and water (20 - 30 minutes). If skin irritation occurs: Get medical attention. Wash contaminated clothing before reuse. Discard items which cannot be decontaminated, including leather articles such as shoes, belts and watchbands. If symptoms persist, seek medical attention.
Eye contact	IF IN EYES, Rinse cautiously with water for several minutes (20 - 30 minutes). Remove contact lenses, if present and easy to do. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Continue rinsing. If eye irritation persists: Get medical attention.
Most important symptoms and effects (acute or delayed)	Harmful if swallowed, in contact with skin. Causes severe skin burns and eye damage. May cause an allergic skin reaction. May cause respiratory irritation. Suspected of damaging fertility or the unborn child.
Indication of immediate medical attention/special treatment	In all cases, call a doctor. Do not forget this document.
Section 5. Fire-Fighting Measures	
Specific hazards of the hazardous product (hazardous combustion products)	
Smoke, fume, oxides of carbon, nitrogen and unidentified organic compounds.	
Suitable and unsuitable extinguishing media	
In case of fire: Use Carbon dioxide (CO ₂), dry chemical and alcohol resistant foam.	
Special protective equipment and precautions for fire-fighters	
During a fire, irritating/toxic fumes may be generated. Do not enter fire area without proper protection. Firefighters should wear proper protective equipment as required.	
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. Removal of ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material.	
Methods and materials for containment and cleaning up	
Avoid prolonged exposure. Stop leak if you can do it without risk. Spill should be contained with inert material and disposed into suitable retaining area. Do not touch or walk through spilled material. Small volumes of liquid may be contained or absorbed into an appropriate absorbent. Keep away from all watercourses. Do not flush down storm or sanitary sewer. Take precautionary measures against static discharges. Dispose of in accordance with local, provincial and federal regulations.	
Section 7. Handling and Storage	
Precautions for safe handling	
Keep container tightly closed. Do not/avoid breath dust/fume/gas/mist/vapours/spry. Do not get in eyes, on skin, or on clothing. Wash hands/nails/face/eyes thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well ventilated area. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear gloves/protective clothing/gloves/eye protection/face protection. In case of inadequate ventilation wear respiratory protection.	
Conditions for safe storage, including any incompatibilities	
Store in a cool, well-ventilated area. Keep container closed when not in use. Do not handle or store near open flames, heat or other sources of ignition. Store away from incompatible materials (Section 10). Inspect all incoming containers to make sure they are properly labelled and not damaged. Storage area should be clearly identified, clear of obstruction and accessible only to trained personnel. Inspect periodically for damage or leaks. Storage temperature: 16 - 27 °C.	
Section 8. Exposure Controls/Personal Protection	
Control parameters (biological limit values or exposure limit values and source of those values)	
Exposure limits: ACGIH – TLV-TWA Not available.	
Appropriate engineering controls	
Use product in well-ventilated areas. Do not spray the product. 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	
Gloves: Neopren gloves or equivalent; Clothing: Shirts with long sleeves, long pants; Respiratory: Not required if working area is well ventilated. Use a NIOSH approved respirators if the exposure limits are unknown; Equipment: Suitable CSA approved safety glasses, chemical resistant. 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.	

Section 9. Physical and Chemical Properties			
Appearance, physical state/colour	Liquid	Vapour pressure	< 5hPa (50°C)
Odour	Phenolic odor	Vapour density	Not available
Odour threshold	Not available	Relative density	Not available
pH	8 – 11	Solubility	Soluble
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	> 100 °C	Decomposition temperature	Not available
Evaporation rate	Not available	Viscosity	Not available
Flammability (solids and gases)	Not available	VOC	Not available
Upper and lower flammability/explosive limits	Not available	Other	None known
Section 10. Stability and Reactivity			
Reactivity			
Stable under normal conditions.			
Chemical stability			
Yes, Stable under the recommended storage and handling conditions prescribed.			
Possibility of hazardous reactions			
Non under normal conditions of storage and use.			
Conditions to avoid (static discharge, shock or vibration)			
Excess heat.			
Incompatible materials			
Avoid contact with oxidizing materials, acids, acrylates, metals, nitrites, ketones, hydrocarbons, aldehydes, alcohol.			
Hazardous decomposition products			
Ammonia, amines, aromatic compounds, hydrocarbons, phenolics.			
Section 11. Toxicological Information			
Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact)			
Harmful if swallowed, in contact with skin. Causes severe skin burns and eye damage. May cause an allergic skin reaction. May cause respiratory irritation. Suspected of damaging fertility or the unborn child.			
Symptoms related to the physical, chemical and toxicological characteristics			
Corrosive, may cause skin burns.			
Delayed and immediate effects (chronic effects from short-term and long-term exposure)			
Skin Sensitization – May cause allergic skin reaction. May cause skin irritation if contact frequently. Respiratory Sensitization – No data available;			
Germ Cell Mutagenicity – Not available; Carcinogenicity – No ingredient listed in IARC; Reproductive Toxicity – Suspected of damaging fertility or the unborn child;			
Specific Target Organ Toxicity — Single Exposure – No information found; Specific Target Organ Toxicity — Repeated Exposure – No information found;			
Aspiration Hazard – No information found; Health Hazards Not Otherwise Classified – No data available.			
Numerical measures of toxicity (ATE; LD₅₀ & LC₅₀)			
CAS 9046-10-0 LD ₅₀ Oral - Rat 242 mg/kg; LD ₅₀ Dermal Not available; LC ₅₀ Inhalation Not available;			
CAS 2855-13-2 LD ₅₀ Oral - Rat 1030 mg/kg; LD ₅₀ Dermal Not available; LC ₅₀ Inhalation Not available;			
CAS 100-51-6 LD ₅₀ Oral - Rat 1230 mg/kg; LD ₅₀ Dermal Not available; LC ₅₀ Inhalation Not available;			
CAS 84852-15-3 LC ₅₀ Not available; LD ₅₀ Oral-Rat 1620 mg/kg; Dermal – Rabbit 2000 mg/kg			
ATE not available in this document.			
Section 12. Ecological Information			
Ecotoxicity (aquatic and terrestrial information)			
Fish toxicity CAS:9046-10-0: LC ₅₀ : 772.14 mg/L (Fish, 96h);			
Toxicity to Aquatic Invertebrates: CAS:2855-13-2 - EC ₅₀ : 17.4 mg/l (Water flea 48h); CAS: 100-51-6 EC ₅₀ : 55 mg/l (Water flea 24h); CAS: 9046-10-0 EC ₅₀ : 80 mg/l (Daphnia ap. Acute) 48h)			
Persistence and degradability	CAS: 2855-13-2 No information found; CAS:9046-10-0 Not biodegradable		
Bioaccumulative potential	No information found		
Mobility in soil	No data available		
Other adverse effects	Harmful to aquatic life. Harmful to aquatic life with long lasting effects		
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			
UN 2735; NAME: Amines liquids, corrosives, N.O.S. (Poly(propylène glycol) bis(2-aminopropyl éther); Isophorone diamine); HAZARD			

CLASS: 8; PACKING GROUP: III	
UN number; Proper shipping name; Class(es); Packing group (PG) of the IMDG (maritime)	
UN 2735; NAME: Amines liquids, corrosives, N.O.S. (Poly(propylène glycol) bis(2-aminopropyl éther); Isophorone diamine); HAZARD CLASS: 8; PACKING GROUP: III s.	
UN number; Proper shipping name; Class(es); Packing group (PG) of the IATA (air)	
UN 2735; NAME: Amines liquids, corrosives, N.O.S. (Poly(propylène glycol) bis(2-aminopropyl éther); Isophorone diamine); HAZARD CLASS: 8; 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	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	
United States OSHA information: This product is regulated according to OSHA (29 CFR).	
United States EPA (Environmental Protection Agency) information: 40 CFR Refer to the ingredients listed in Section 3 & Sections 12; 13 & 14.	
United States TCSA information: Refer to the ingredients listed in Section 3.	
Section 16. Other Information	
Date of the latest revision of the safety data sheet	January 7, 2019 - version 02
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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