

**SAFETY DATA SHEET (SDS)****Section 1. Identification**

Product identifier	LABPOX 35 Colored version, Part A
Other means of identification	LP35 -CV-A
Recommended use and restrictions on use	Floor Coating
Initial supplier identifier	LabSurface. 101-1079 des Forges, Terrebonne, J6Y 0J9, Qué (Canada) Tél. (450) 966-9000
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 (Category 4)
Acute toxicity, dermal (Category 4)
Acute toxicity, inhalation (Category 4)
Skin corrosion/irritation (Category 2)
Skin sensitisation (Category 1)
Serious eye damage/eye irritation (Category 2A)
Carcinogenicity (Category 1A)
Specific target organ toxicity, repeated exposure (STOT, RE) (Category 1)
Hazardous to the aquatic environment, acute hazard (Category 3)
Hazardous to the aquatic environment, long-term hazard (Category 3)

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

H302 Harmful if swallowed.
H312 Harmful if in contact with skin.
H332 Harmful if inhaled.
H315 Causes Skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H350 May cause cancer.
H372 Causes damage to lungs through prolonged or repeated exposure.
H402 Harmful to aquatic life.
H412 Harmful to aquatic life with long lasting effects

Prevention

P201 Obtain special instruction before use P202 Do not handle until all safety precautions have been read and understood. P260 + P261 Do not/avoid breathing dust/fume/gas/mist/vapors/spray. 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 workplace. P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection/ face protection.

Response

IF SWALLOWED: P301 + P312 Immediately call a Poison Center/doctor if you feel unwell. P330 Rinse mouth.
IF ON SKIN: P302 + P352 Wash with plenty of water. P312 Call a doctor if you feel unwell. P362 + P364 Take off contaminated clothing and wash it before reuse. P332 + P313 If skin irritation occurs: Get medical advice/attention.
IF INHALED: P304 + P340 Remove person to fresh air and keep comfortable for breathing. P312 Call a doctor if you feel unwell.
IF IN EYES: P305 + P351 + P338 Rinse cautiously with water. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 If eye irritation persists: Get medical attention.
IF EXPOSED OR CONCERNED: P308 + P313 Get medical advice/attention

Storage

P405 Store locked up

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 (%)*
Epoxy liquid resin	25068-38-6	20-60 %
1,4-Butanediol Diglycidyl Ether	2425-79-8	5-20 %



Titanium dioxide	13463-67-7	5-15 %
Trade secret	----	20-50 %
*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 not breathing, give artificial respiration or give oxygen by trained personnel. If symptoms persist, seek medical attention. Give artificial respiration ONLY if breathing has stopped. Give cardiopulmonary resuscitation (CPR) if there is no breathing AND no pulse.	
Ingestion	IF SWALLOWED: Immediately call a doctor. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in of vomits. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Do not use mouth-to-mouth method if victim ingested the substance.	
Skin contact	IF ON SKIN: Remove contaminated clothing, wash immediately with soap and water (20 - 30 minutes). If symptoms persist, seek medical attention. Wash contaminated clothing before reuse. Discard items which cannot be decontaminated, including leather articles such as shoes, belts and watchbands.	
Eye contact	IF IN EYES, Rinse cautiously with water for several minutes (20 - 30 minutes). Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.	
Most important symptoms and effects (acute or delayed)	Harmful if swallowed, in contact with skin or if inhaled. Causes Skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause cancer. Causes damage to lungs through prolonged or repeated exposure.	
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, oxides of carbon and fumes.		
Suitable and unsuitable extinguishing media		
In case of fire: Use carbon dioxide (CO ₂), dry chemical, water 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. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). 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		
Obtain special instruction before use. Do not handle until all safety precautions have been read and understood. Do not/avoid breathing dust/fume/gas/mist/vapors/spray. 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 workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/ face 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. Keep away from heat/hot surfaces/sparks/open flames and other ignition sources. 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 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: Use a NIOSH approved respirators if the exposure limits are unknown; Equipment: 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	Not available
Odour	Faint odor	Vapour density	Not available
Odour threshold	Not available	Relative density	Not available
pH	Not available	Solubility	Not 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
Acids, bases, amines, oxidizing agents.
Hazardous decomposition products
Chloro hydrogen, carbon oxides.

Section 11. Toxicological Information

Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact)
Harmful if swallowed, in contact with skin or if inhaled. Causes Skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause cancer. Causes damage to lungs through prolonged or repeated exposure.
Symptoms related to the physical, chemical and toxicological characteristics
Eye contact may cause mechanical irritation and possible injury. Prolonged contact may cause skin irritation with local redness.
Delayed and immediate effects (chronic effects from short-term and long-term exposure)
Skin Sensitization – Prolonged contact may cause allergic skin reaction. Respiratory Sensitization – No data available; Germ Cell Mutagenicity – No data available; Carcinogenicity – The International Agency for Research on Cancer has determined that crystalline silica is carcinogenic to humans (Group 1 - carcinogenic to humans). Refer to IARC Monograph 100C, A Review of Human Carcinogens: Arsenic, Fibres, and Dusts (published in 2011) in conjunction with the use of these materials. The National Toxicology Program classifies respirable crystalline silica as "known to be a human carcinogen". Refer to the Twelfth Report on Carcinogens (2011). The American Conference of Governmental Industrial Hygienists (ACGIH) classifies crystalline silica, quartz, as a suspected human carcinogen (A2).; 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)
CAS 25068-38-6 LD ₅₀ Oral - Rat - > 15,000 mg/kg; LD ₅₀ Dermal – Rabbit – 23,000 mg/kg; LC ₅₀ Inhalation – has not been determined; CAS 2425-79-8 LD ₅₀ Oral – Rat-male 1,118 mg/kg; LD ₅₀ Dermal Rat-male and female > 1,250 mg/kg ; LC ₅₀ Inhalation Not available; ATE not available in this document.

Section 12. Ecological Information

Ecotoxicity (aquatic and terrestrial information)	
Toxicity to fish CAS: 25068-38-6 LC ₅₀ : 1 – 10 mg/l (in the most sensitive species tested)/ LC ₅₀ 2 mg/l (Oncorhynchus mykiss (rainbow trout), semi-static test, 96 Hour; CAS 2425-79-8 LC ₅₀ 24mg/l Danio rerio (zebra fish) 96h;	
Toxicity to Aquatic Invertebrates: CAS: 25068-38-6 EC ₅₀ : 1.8 mg/l (Water flea (Daphnia magna) 48h); CAS 2425-79-8 EC ₅₀ 75 mg/l (Water flea (Daphnia magna) 48h;	
Toxicity to Aquatic Plants: CAS: 25068-38-6 EC ₅₀ : 11 mg/l (Fresh water algae (Scenedesmus capricornutum) static test, 72h); CAS 2425-79-8 EC ₅₀ > 160 mg/l (Pseudokirchneriella subcapitata) 72h;	
Toxicity to Bacteria CAS: 25068-38-6 IC ₅₀ : >42.6 mg/l, (Respiration rates, 18h).	
Persistence and degradability	CAS: 25068-38-6 12%, not easily biodegradable; CAS 2425-79-8 aerobic - Exposure time 28 d Result: 38 % - Not readily biodegradable.
Bioaccumulative potential	CAS: 25068-38-6 Bio-concentration potential is moderate; CAS 13463-67-7 Bioaccumulation is unlikely to be significant because of the low water solubility of this product.
Mobility in soil	CAS: 25068-38-6 Potential for mobility in soil is low.
Other adverse effects	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 3082; ENVIRONMENTAL HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (Résine Époxy Liquide); CLASS: 9; PG: III	
UN number; Proper shipping name; Class(es); Packing group (PG) of the IMDG (maritime)	
UN 3082; ENVIRONMENTAL HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (Résine Époxy Liquide); CLASS: 9; PG: III	
UN number; Proper shipping name; Class(es); Packing group (PG) of the IATA (air)	
UN 3082; ENVIRONMENTAL HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (Résine Époxy Liquide); CLASS: 9; PG: III	
Special precautions (transport/conveyance)	None
Environmental hazards (IMDG or other)	Epoxy resin
Bulk transport (usually more than 450 L in capacity)	None
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).	
California Proposition 65: This product does not contain an ingredient known to the State of California to cause cancer or other reproductive harm.	
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	November 07, 2022 - 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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SAFETY DATA SHEET (SDS)

Section 1. Identification

Product identifier	LABPOX 35, Part B
Other means of identification	LP35-B
Recommended use and restrictions on use	Floor Coating
Initial supplier identifier	LabSurface. 101-1079 des Forges, Terrebonne, J6Y 0J9, Qué (Canada) Tél. (450) 966-9000
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 (Category 4)
Acute toxicity, dermal (Category 4)
Acute toxicity, inhalation (Category 4)
Skin corrosion/irritation (Category 1)
Skin sensitisation (Category 1)
Specific target organ toxicity, repeated exposure (Category 2)
Hazardous to the aquatic environment, acute hazard (Category 2)
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 Harmful if swallowed.
H312 Harmful if in contact with skin.
H332 Harmful if inhaled.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H373 May cause damage to organs through prolonged or repeated exposure
H401 Toxic to aquatic life
H411 Toxic to aquatic life with long lasting effects

Prevention

P260 + P261 Do not/avoid breathing dust/fume/gas/mist/vapors/spray. 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 workplace. P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection/ face protection.

Response

IF SWALLOWED P301+ P312 call a POISON CENTER if you feel unwell. P330 Rinse mouth. P331 Do NOT induce vomiting
IF ON SKIN (OR HAIR) P303+P361+P353 Take off immediately all contaminated clothing. Rinse skin with water (or shower). P363 Wash contaminated clothing before reuse.
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. . P337 + P313 If eye irritation persists: Get medical attention
P391 Collect spillage

Storage

P405 Store locked up

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 (%)*
Polyetheramine	9046-10-0	15 - 40 %
4,4'-Diaminodicyclohexyl methane	1761-71-3	5 - 15 %
Resin epoxy liquid	25068-38-6	5 - 15 %
Benzyl Alcohol	100-51-6	10 - 30 %
Trade Secret	-----	1 - 10 %
Amine tertiary -accelerator,	90-72-2	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	
Inhalation	IF INHALED: If overexposure remove person to fresh air and keep comfortable for breathing. If not breathing, give artificial respiration or give oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If symptoms persist, seek medical attention. Give artificial respiration ONLY if breathing has stopped. Give cardiopulmonary resuscitation (CPR) if there is no breathing AND no pulse.
Ingestion	IF SWALLOWED: Immediately call a doctor. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in of vomits. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Do not use mouth-to-mouth method if victim ingested the substance. Loosen tight clothing such as a collar, tie, belt or waistband.
Skin contact	IF ON SKIN: Remove contaminated clothing, wash immediately with soap and water (20 - 30 minutes). If symptoms persist, seek medical attention. Wash contaminated clothing before reuse. Discard items which cannot be decontaminated, including leather articles such as shoes, belts and watchbands.
Eye contact	IF IN EYES, Rinse cautiously with water for several minutes (20 - 30 minutes). Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
Most important symptoms and effects (acute or delayed)	Harmful if swallowed, in contact with skin or inhaled. Causes severe skin burns and eye damage. May cause an allergic skin reaction. May cause damage to organs through prolonged or repeated exposure.
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, oxides of carbon and fumes.	
Suitable and unsuitable extinguishing media	
In case of fire: Use carbon dioxide (CO ₂), dry chemical, water 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. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). 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	
Do not/avoid breathing dust/fume/gas/mist/vapors/spray. 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 workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/ face 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. Keep away from heat/hot surfaces/sparks/open flames and other ignition sources. Inspect periodically for damage or leaks.	
Section 8. Exposure Controls/Personal Protection	
Control parameters (biological limit values or exposure limit values and source of those values)	
Exposure limits: ACGIH – TLV Not established	
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: Use a NIOSH approved respirators if the exposure limits are unknown; Equipment: 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	Not available
Odour	Faint odor	Vapour density	Not available
Odour threshold	Not available	Relative density	Not available
pH	Not available	Solubility	Not available
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 (212 °F)	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			
Acids, bases, amines, oxidizing agents.			
Hazardous decomposition products			
Carbon monoxides, dioxides, acids.			
Section 11. Toxicological Information			
Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact)			
Harmful if swallowed, in contact with skin or inhaled. Causes severe skin burns and eye damage. May cause an allergic skin reaction. May cause damage to organs through prolonged or repeated exposure.			
Symptoms related to the physical, chemical and toxicological characteristics			
Skin burn, redness, stinging, pain; Eye burn, redness, tearing; Digestive tract burn; Respiratory tract burn, coughing, shortness of breath, dizziness, drowsiness, nausea and headaches.			
Delayed and immediate effects (chronic effects from short-term and long-term exposure)			
Skin Sensitization –Prolonged contact may cause skin irritation. Respiratory Sensitization – No data available; Germ Cell Mutagenicity – No data available; Carcinogenicity – No data available; 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)			
CAS 9046-10-0 LD ₅₀ Oral – Rat-(male and female) 2,885.3 mg/kg; LD ₅₀ Dermal – Rabbit-(male and female) 2,979.7 mg/kg; CAS 1761-71-3 LD ₅₀ Oral – Rat-(male and female) 380 mg/kg; CAS 25068-38-6 LD ₅₀ oral rat 15000 mg/kg; LD ₅₀ Dermal – Rabbit 23000 mg/kg; CAS 100-51-6 LD ₅₀ Oral - Rat - 1,230 mg/kg; LD ₅₀ Dermal – Rabbit 2,000 mg/kg; LC ₅₀ Oral – Rat 8.8 mg/L 4h; CAS 90-72-2 LD ₅₀ Oral - Rat - 2,196 mg/kg; ATE not available in this document.			
Section 12. Ecological Information			
Ecotoxicity (aquatic and terrestrial information)			
Toxicity to fish: CAS 9046-10-0 LC ₅₀ 772.14 mg/l (Oncorhynchus mykiss (rainbow trout)), 96h; CAS 1761-71-3 LC ₅₀ 67,8 mg/l Leuciscus idus (Golden orfe), 96h; CAS: 25068-38-6 LC ₅₀ : 2 mg/l (Oncorhynchus mykiss (rainbow trout)) 96h; CAS 100-51-6 LC ₅₀ : 10 mg/l Lepomis macrochirus (Bluegill) 96h;			
Toxicity to Aquatic Invertebrates: CAS 9046-10-0 EC ₅₀ 80 mg/l (Water flea (Daphnia magna) 48h); CAS 1761-71-3 EC ₅₀ 9,24 mg/l (Water flea (Daphnia magna) 48); CAS: 25068-38-6 EC ₅₀ : 1.8 mg/l (Water flea (Daphnia magna) 48h); CAS 100-51-6 LC ₅₀ : 55 mg/l (Water flea (Daphnia magna) 24h);			
Toxicity to Aquatic Plants: CAS 9046-10-0 ErC ₅₀ 15 mg/l (Selenastrum capricornutum (green algae)) 72h ; CAS 1761-71-3 ErC ₅₀ 140-200 mg/l (Desmodesmus subspicatus (green algae)) 72h; CAS: 25068-38-6 ErC ₅₀ 11 mg/l Scenedesmus capricornutum (fresh water algae) 72h;			
Toxicity to Bacteria CAS 1761-71-3 EC ₅₀ 156 mg/l Pseudomonas putida 0,5h; CAS: 25068-38-6 IC ₅₀ >42,6 mg/l Respiration rates 18h;			
Persistence and degradability	CAS: 100-51-6 Biodegradability Biotic/Aerobic – Exposure time 28 d Result: 92-96% - Readily biodegradable.		
Bioaccumulative potential	CAS: 25068-38-6 Bioconcentration potential is moderate (BCF between 100 and 3000 or Log Pow between 3 and 5); Partition coefficient: n-octanol/water(log Pow): 3.242 at 25 °C Estimated ; CAS: 90-72-2 LogP _{ow} 0.219 Bio-concentration potential is low.		
Mobility in soil	No information found		
Other adverse effects	Toxic 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; POLYAMINES, LIQUID, CORROSIVE, N.O.S. (Polyetheramine ; 4,4'-Diaminodicyclohexyl methane; CLASS: 8; PG: III.	
UN number; Proper shipping name; Class(es); Packing group (PG) of the IMDG (maritime)	
UN 2735; POLYAMINES, LIQUID, CORROSIVE, N.O.S. (Polyetheramine ; 4,4'-Diaminodicyclohexyl methane; CLASS: 8; PG: III.	
UN number; Proper shipping name; Class(es); Packing group (PG) of the IATA (air)	
UN 2735; POLYAMINES, LIQUID, CORROSIVE, N.O.S. (Polyetheramine ; 4,4'-Diaminodicyclohexyl methane; CLASS: 8; PG: III.	
Special precautions (transport/conveyance)	May also be shipped as a LIMITED QUANTITY in accordance with TDG.
Environmental hazards (IMDG or other)	Pollutant Marine
Bulk transport (usually more than 450 L in capacity)	None
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).	
California Proposition 65: This product does not contain an ingredient known to the State of California to cause cancer or other reproductive harm.	
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	November 04, 2022 - version 02
References	Safety Data Sheets from manufacturer/supplier & from Sigma-Aldrich.com & Echa.eurpea.eu
Corrections	Sections 2, 11, 14 (November 04, 2022 - version 02)
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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