

SAFETY DATA SHEET (SDS)

Section 1. Identification

Product identifier	CHEM PROOF SLOW CURE B
Other means of identification	CHEM PROOF SLOW CURE PART B
Recommended use and restrictions on use	Floor Coating
Initial supplier identifier	CHEMTEC; 4117 Industriel; Laval; Québec; Canada; H7L 6B9 info@epoxychemtec.com T 450-629-1717
Emergency telephone number/restriction on use	Canada – CANUTEC 24-hour number 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 1C) Serious eye damage/irritation: (Category 1) Skin sensitization: (Category 1) Mutagenicity (Category 2) Specific target organ toxicity - Repeated exposure (Category 2) Hazardous to the aquatic environment – Acute /Chronic (Category 1)

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



Danger

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H341 Suspected of causing genetic defects.

H373 May cause damage to organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life

H410 Very toxic to aquatic life with long lasting effects.

P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P260 Do not breathe dusts or mists. P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P264 Wash hands/nails/face 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 protective gloves/ protective clothing/ eye protection/ face protection. P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor /physician if you feel unwell. P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P312 Call a doctor if you feel unwell. P314: Get medical advice /attention if you feel unwell. P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. P333+P313: If skin irritation or rash occurs: Get medical advice/attention P321: Specific treatment. P363 Wash contaminated clothing before reuse. 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. P310 Immediately call a doctor. P308 + P313 IF exposed or concerned: Get medical attention. P391 Collect spillage. P405 Store locked up. 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 (%)
Formaldehyde polymer with 1,3-benzenedimethanamine	57214-10-5	25-30
1,3-Bis (Amonomethyl)benzene	1477-55-0	20-25
Phenol	108-95-2	5-10
Benzyl Alcohol	100-51-6	30-40

* 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: Remove person to fresh air and keep comfortable for breathing. Call a doctor if you feel unwell.
Ingestion	IF SWALLOWED: Immediately call a doctor. DO NOT INDUCE VOMITING. NEVER give anything by mouth if victim is rapidly losing consciousness or is unconscious or convulsing. Rinse mouth thoroughly with water. Have victim drink two glasses of water. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration.
Skin contact	IF ON SKIN: wash with plenty of water. (15-20 minutes) IF SKIN irritation or rash occurs: Get medical attention. Take off contaminated clothing and wash it before reuse.

Eye contact	IF IN EYES, Rinse cautiously with water for several minutes (15-20). 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)	Causes severe skin burns and eye damage.		
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)			
Carbon oxides and other irritant/toxic gases and fumes.			
Suitable and unsuitable extinguishing media			
In case of fire: Use carbon dioxide, chemical powder agent and appropriate foam to extinguish surrounding products. Avoid use of water jet extinguishing.			
Special protective equipment and precautions for fire-fighters			
During a fire, irritating/toxic smoke and fumes may be generated. Do not enter fire area without proper protection. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece. Shield personnel to protect from venting, rupturing, or bursting cans. Cool containers with water until well after fire is out. Do not approach the tank surrounded by fire until is extinguished. In case of conflagration, use automatic fire sprinkler. Major fire may require withdrawal, allowing the object itself to burn.			
Section 6. Accidental release measures			
Personal precautions, protective equipment, and emergency procedures			
Restrict access to area until completion of clean-up. Ensure clean-up is conducted by trained personnel only. All persons dealing with clean-up should wear the appropriate protective equipment (See Section 8).			
Methods and materials for containment and cleaning up			
Ventilate area of release. Do not touch spilled material. Stop the leak if it can be done safely. Contain and absorb any spilled liquid concentrate with inert absorbent material, then place material into a container for later disposal (see Section 13). Contaminated absorbent material may pose the same hazards as the spilled product. Notify the appropriate authorities as required. Must work against the wind, let the upwind people to evacuate. Remove all sources of ignition. Prevent runoff and contact with waterways, drains or sewers.			
Section 7. Handling and storage			
Precautions for safe handling			
Wear gloves/protective clothing/eye protection/face protection. Before handling, it is very important that engineering controls are operating, and that protective equipment requirements and personal hygiene measures are being followed. People working with this chemical should be properly trained regarding its hazards and its safe use. Inspect containers for leaks before handling. Label containers appropriately. Ensure proper ventilation. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with eyes, skin and clothing. Keep away from heat, sparks and flame. Avoid generating high concentrations of dusts, vapours or mists. Keep away from incompatible materials (Section 10). Keep containers closed when not in use. Empty containers are always dangerous. Refer also to Section 8.			
Conditions for safe storage, including any incompatibilities			
Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up. 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.			
Section 8. Exposure controls/Personal protection			
Control parameters (biological limit values or exposure limit values and source of those values)			
Exposure limits: CAS 1477-55-0: Ceiling 0.1 mg/m ³ , vapor and aerosol CAS108-95-2: TWA 5ppm(19mg/m ³) OSHA PEL : 19 CAS 100-51-6 WEEL-TWA(Inhalation) :10ppm (ACGIH)			
Appropriate engineering controls			
Use under well-ventilated conditions. Local exhaust ventilation system is recommended to maintain concentrations of contaminants below exposure limits. Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.			
Individual protection measures/personal protective equipment			
Respiratory protection is required if the concentrations are higher than the exposure limits. Use any air-purifying respirator with a full facepiece and on organic vapor canister, any chemical cartridge respirator with organic vapor cartridges or a NIOSH approved respirators if the exposure limits are unknown. Chemically protective gloves (impervious), and other protective clothing to prevent prolonged or repeated skin contact, must be worn during all handling operations. Wear protective chemical splash goggles to prevent mists from entering the eyes. 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.			
Section 9. Physical and chemical properties			
Appearance, physical state/colour	Amber liquid	Vapour pressure	Not available
Odour	Amonia odor	Vapour density	>1
Odour threshold	Not available	Relative density	1.1
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	96°C	Decomposition temperature	Not available
Evaporation rate	Not available	Viscosity	200-400cps(25°C)
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			
Does not react under the recommended storage and handling conditions prescribed.			
Chemical stability			
Stable under the recommended storage and handling conditions prescribed.			
Possibility of hazardous reactions			
Hazardous polymerization will not occur.			
Conditions to avoid (static discharge, shock, or vibration)			
Accumulation of electrostatic charges, heating, flames, and hot surface.			
Incompatible materials			
Not available.			
Hazardous decomposition products			
May emit flammable vapour if involved in fire.			
Section 11. Toxicological information			
Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact)			
Harmful if swallowed. Harmful in contact with skin. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Harmful if inhaled. May cause respiratory irritation. Suspected of causing genetic defects. 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 – Possible; Respiratory Sensitization – No data available; Germ Cell Mutagenicity – Possible; Carcinogenicity – IARC Phenol-Group 3; Reproductive Toxicity – No data available; Specific Target Organ Toxicity — Single Exposure – Not available; Specific Target Organ Toxicity — Repeated Exposure – Possible; Aspiration Hazard – No data available; Health Hazards Not Otherwise Classified – No data available.			
Numerical measures of toxicity (ATE; LD₅₀ & LC₅₀)			
CAS 1477-55-0 : LD ₅₀ , Oral=980mg/kg rat (SIDS, NITE), LD 50, Dermal >3100mg/kg rabbit(ECHA), Dust LC501.12mg/1 4 hr rat (OECD,TG403, GLP) (ECHA)			
CAS 108-95-2 LD ₅₀ Oral - mousse– 270mg/kg (HSDB) & LD ₅₀ Dermal - Rabbit – 850mg/kg & LC ₅₀ Inhalation - Rat – 1.8 mg/l/4h			
CAS 100-51-6 : LD ₅₀ Oral-Rat-1230mg/kg			
Section 12. Ecological information			
Ecotoxicity (aquatic and terrestrial information)			
Fish			
- [1,3-Bis (Aminomethyl) benzene] : LC50 87.6 mg/ℓ 96 hr Oryzias latipes(OECD Guideline 203, GLP)			
- [Formaldehyde polymer with 1,3-benzenedimethanamine and phenol] : Korea MOE's Toxic substance Acute/chronic aquatic toxicity category 1			
- [Phenol] : LC50 8.9 mg/L 96hr Oncorhynchus mykiss (ECHA)			
- [Benzyl Alcohol]:LC50 10mg/L-96h , , LC50 Percutaneous-10mg/L-96h, Lepomis macrochirus LC50-460mg/L-96h , LC50 Percutaneous-460mg/L-96h,Pimephales promelas			
Crustaceans			
1,3-Bis (Aminomethyl) benzene] : EC50 15.2 mg/ℓ 48 hr Daphnia magna(OECD Guideline 202, GLP)			
- [Phenol] : EC50 3.1 mg/L 48hr Ceriodaphnia dubia (ECHA), EC50=14.9mg/L(48h, D. magna)(NIER)			
- [Benzyl Alcohol]:EC50 55mg/L, 24h, Daphnia magna			
Algae			
- [1,3-Bis (Aminomethyl) benzene] : EC50 = 14 mg/ℓ 72 hr (NITE), ErC50 33.3 mg/ℓ 72 hr (Pseudokirchnerella subcapitata, OECD Guideline 201, GLP)(ECHA)			
- [Phenol] : EC50 61.1 mg/L 96hr Pseudokirchneriella subcapitata (ECHA), ErC50=156 mg/L(72h)(NIER)			
Persistence and degradability			
Persistence			
- [1,3-Bis (Aminomethyl) benzene] : log Kow 0.18 (Estimate)			
- [Phenol] : log Kow = 1.47 (ECHA)			
○ Degradability			
- [Benzyl Alcohol]:92-96% readily biodegradable			
Bioaccumulative potential			
Bioaccumulative potential			
- [Phenol] : BCF = 17.5 ~ 647 (ECHA)			
○ Biodegradation			
- [1,3-Bis (Aminomethyl) benzene] : Biodegradability = 22 (%) (NITE), 49 % 28 day (non-Degradable)(ECHA)			
- [Phenol] : 62% 100 hr, readily biodegradable (ECHA)			
Mobility in soil	- [Phenol] : Koc = 14 ~ 73 (ECHA)		
Other adverse effects			
[1,3-Bis (Aminomethyl) benzene] : crustaceans:Daphnia magna: NOEC, 21d, = 4.7 mg/L, OECD Guideline 211, GLP, algae:Pseudokirchnerella subcapitata: NOEC, 72h, = 22.9 mg/L, OECD Guideline 201, GLP(ECHA)			

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	
UN2735; POLYAMINES, LIQUID, CORROSIVE, N.O.S. (1,3-Bis(Aminomethyl)benzene)); CLASS 8; PG III	
UN number; Proper shipping name; Class(es); Packing group (PG) of the IMDG (maritime)	
UN2735; POLYAMINES, LIQUID, CORROSIVE, N.O.S. (1,3-Bis(Aminomethyl)benzene)); CLASS 8; PG III	
UN number; Proper shipping name; Class(es); Packing group (PG) of the IATA (air)	
UN2735; POLYAMINES, LIQUID, CORROSIVE, N.O.S. (1,3-Bis(Aminomethyl)benzene)); 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)	Marine pollutant
Bulk transport (usually more than 450 L in capacity)	NO
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	
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	September 26, 2023 version 1
Corrections	Complete review
References	Safety Data Sheets from manufacturer/supplier & from Canadian Centre for Occupational Health and Safety, CCOHS.
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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