

SAFETY DATA SHEET (SDS)
Section 1. Identification

Product identifier	CHEM 3000 FC , Part A
Other means of identification	FF-IPU-000-A
Recommended use and restrictions on use	Floor Coating
Initial supplier identifier	Chemtec 913 Michelin Laval Québec (Canada) H7L-5B6 450-629-1717
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)

Flammable liquids (Category 3)
 Aspiration hazard (Category 1)
 Serious eye damage/eye irritation (Category 2A)
 Specific target organ toxicity, single exposure; respiratory tract irritation (Category 3)
 Specific target organ toxicity, single exposure; narcotic effects (Category 3)
 Germ cell mutagenicity (Category 1B)
 Carcinogenicity (Category 1B)

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

Warning

H226 Flammable liquid and vapor
 H304 May be fatal if swallowed and enters airway
 H319 Causes serious eye irritation
 H335 May cause respiratory irritation
 H336 May cause drowsiness or dizziness
 H340 May cause genetic effects
 H350 May cause cancer

Prevention

P201 Obtain special instruction before use. P202 Do not handle until all safety precautions have been read and understood. P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 Keep container tightly closed. P240 Ground and bond container and receiving equipment. P241 Use explosion-proof (electrical/ventilating/lighting) equipment. P242 Use non-sparkling tools. P243 Take action to prevent static discharges. P261 Avoid breathing dust/fume/gas/mist/vapors/spray. P264 Wash hands/nails/face/eyes thoroughly after handling. P271 Use only outdoors or in a well ventilated area. P280 Wear gloves/protective clothing/gloves/eye protection/face protection.

Response

IF SWALLOWED: P301 + P331 Do NOT induce vomiting. P310 Immediately call a POISON CENTER
 IF ON SKIN: P303+P361+P353 If on skin (or hair): 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. 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.
 IN CASE OF FIRE: P370 + P378 Use manufacturer/supplier or the competent authority to specify appropriate media.

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

Section 3. Composition/Information on Ingredients

Chemical name (common name/synonyms)	CAS number or other	Concentration (%)
Tetrahydroxypropylethyldiamine	136210-30-5	25 - 40 %
Light aromatic solvent naphtha	64742-95-6	45 – 70 %

Section 4. First-Aid Measures

Inhalation	IF INHALED: If overexposure remove person to fresh air and keep comfortable for breathing. If breathing has stopped, give artificial respiration. Use barrier to give mouth-to-mouth resuscitation. If symptoms persist, seek medical attention.
Ingestion	IF SWALLOWED: Immediately call a doctor. Prevent aspiration of vomit. If vomiting occurs spontaneously, keep head below hips to prevent aspiration 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.		
Eye contact	IF IN EYES, Rinse cautiously with water for several minutes (20 - 30 minutes). Keep eye wide open while rinsing. Do not rub affected area. 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)	May be fatal if swallowed and enters airway. Causes serious eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness. May cause genetic effects. May cause cancer.		
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)			
Toxic fumes.			
Suitable and unsuitable extinguishing media			
In case of fire: Use carbon dioxide (CO ₂), dry chemical, alcohol resistant foam, dry sand, water.			
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). 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			
Obtain special instruction before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof (electrical/ventilating/lighting) equipment. Use non-sparkling tools. Take action to prevent static discharges. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash hands/nails/ face/eyes thoroughly after handling. Use only outdoors or in a well ventilated area. Wear gloves/protective clothing/gloves/eye protection/face protection.			
Conditions for safe storage, including any incompatibilities			
Keep container closed when not in use. Store in a cool, well-ventilated area. 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 data 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: 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	Aromatic	Vapour density	Not available
Odour threshold	Not available	Relative density	Not available
pH	Not available	Solubility	Negligible
Melting/freezing point	Not available	Partition coefficient - n-octanol/water	Not available

Initial boiling point/range	Not available	Auto-ignition temperature	200°C
Flash point	Approx. 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			
Oxidizing agents, acids.			
Hazardous decomposition products			
Carbon mono and dioxide, other hydrocarbons			
Section 11. Toxicological Information			
Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact)			
May be fatal if swallowed and enters airway. Causes serious eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness. May cause genetic effects. May cause cancer.			
Symptoms related to the physical, chemical and toxicological characteristics			
Skin irritation, redness, stinging, pain; Eye irritation, redness, tearing. Respiratory tract irritation.			
Delayed and immediate effects (chronic effects from short-term and long-term exposure)			
Skin Sensitization – May cause skin dryness or cracking; Respiratory Sensitization – No data available; Germ Cell Mutagenicity – Contains a known or suspected mutagen; Carcinogenicity: Contains ethylbenzene. The International Agency for Research on Cancer has evaluated ethylbenzene and classified it as a possible human carcinogen (Group 2B) based on sufficient evidence for carcinogenicity in experimental animals, but inadequate evidence for cancer in exposed humans; Reproductive Toxicity: There have been a few studies investigating the mutagenic potential of xylenes. These studies were negative; Specific Target Organ Toxicity — Single Exposure –May cause drowsiness or dizziness. May cause respiratory irritation; Specific Target Organ Toxicity — Repeated Exposure –No information available; Aspiration Hazard: May be fatal if swallowed and enters airways; Health Hazards Not Otherwise Classified – No data available.			
Numerical measures of toxicity (ATE; LD₅₀ & LC₅₀)			
CAS 64742-95-6 LD ₅₀ Oral - Rat - = 8400 mg/kg; LD ₅₀ Dermal – Rabbit > 2000 mg/kg; LC ₅₀ Inhalation - Rat =3400 ppm 4hrs; ATE CAS 64742-95-6 ATEmix (oral) 8,400.00 mg/kg; ATEmix (dermal) 2,002.00 mg/kg.			
Section 12. Ecological Information			
Ecotoxicity (aquatic and terrestrial information)			
Toxicity to fish: CAS 64742-95-6 Toxicity to fish LC ₅₀ : 9.22 mg/l (Oncorhynchus mykiss) 96h); Toxicity to Aquatic Invertebrates: EC ₅₀ : = 6 mg/l (Daphnia magna) 48h);			
Persistence and degradability	Low biodegradability.		
Bioaccumulative potential	Does not significantly accumulate in organisms.		
Mobility in soil	Adsorption to solid soil phase is not expected.		
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			
NAME: Resin Solution, flammable; UN NUMBER: UN 1866; HAZARD CLASS: 3; PACKING GROUP: III.			
UN number; Proper shipping name; Class(es); Packing group (PG) of the IMDG (maritime)			
NAME: Resin Solution, flammable; UN NUMBER: UN 1866; HAZARD CLASS: 3; PACKING GROUP: III; MARINE POLLUTANT: No			
UN number; Proper shipping name; Class(es); Packing group (PG) of the IATA (air)			
NAME: Resin Solution, flammable; UN NUMBER: UN 1866; HAZARD CLASS: 3; PACKING GROUP: III.			
Special precautions (transport/conveyance)	Can be shipped as LIMITED QUANTITY according to TDG or NOT REGULATED (1.33).		
Environmental hazards (IMDG or other)	None		
Bulk transport (usually more than 450 L in capacity)	N/A according to Annex I or II of MARPOL 73/78 and the IBC or IGC Code		
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	February 04, 2018 - version 1
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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