SAFETY DATA SHEET (SDS)

Section 1. Identification

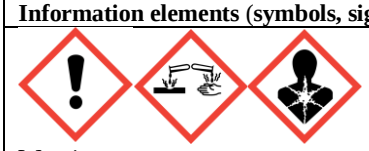
Product identifier	CHEM 1000 PREMIUM PART A
Other means of identification	CHEM 1000 PREMIUM A
Recommended use and restrictions on use	Floor Coating
Initial supplier identifier	CHEMTEC; 4117 Industriel; Laval; Québec; Canada; info@epoxychemtec.com T 450-629-1717
Emergency telephone number/restriction 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)

Skin sensitization (Category 1)
Hazardous to the aquatic environment, long-term hazard (Category 3)
Flammable liquid (Category 4)
Skin corrosion (Category 1)
Serious eyes irritation (Category 2A)
Toxic to reproduction (Category 2)

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



Warning

H227 Combustible liquid
H314 Causes severe skin burns and eye damage
H317 May cause an allergic skin reaction
H361 Suspected of damaging fertility or the unborn child.
H411 Toxic to aquatic life with long lasting effects
H412 Harmful 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. P210 Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. P260 Do not breathe dust/fume/gas/mist/vapours/spray.P261Avoid breathing dust/fume/gas/mist/vapours/spray. P264 Wash hands/nails/face thoroughly after handling. 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. P284 (In case of inadequate ventilation) wear respiratory protection. P302+P352 IF ON SKIN: Wash with plenty of water. P333+P313If skin irritation or rash occurs: Get medical advice/attention. P362+P364 Take off contaminated clothing and wash it before reuse. P363 Wash contaminated clothing before reuse. P303+P361+P353IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. P304+P340IF INHALED: Remove person to fresh air and keep comfortable for breathing. P301+P330+P331 IF SWALLOWED: Rinse mouth. Do not induce vomiting. P305+P351+P338 IF IN EYES, Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical attention. P370+P378In case of fire: Use carbon dioxide, chemical powder agent and appropriate foam to extinguish. P308+P313 If exposed or concerned: Get medical advice/attention. P391 Collect spillage. P403+P235 Store in a well-ventilated place. Keep container tightly closed. P405Store 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 (%)
Secondary diamines	136210-30-5	30-70
Ester	108-32-7	< 10
Isophorone diamine-isobutyraldimine	54914-37-3	< 10
Propanoic acid, 2-methyl-1,1'-(2,2-dimethyl-1-(1-methylethyl)-1,3-propanedyl) ester	6846-50-0	< 5
Diethyl fumarate	623-91-6	< 5
Cycloaliphatic amine	6864-37-5	0.1-1

* Statement - This safety data sheet provides concentration range(s) instead of the actual concentration(s) by weight (except for gases/propellants by volume) 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. If breathing is irregular or stopped, administer artificial respiration.
Ingestion	IF SWALLOWED: Do not induce vomiting and seek medical advice immediately. Rinse out mouth, spit out liquid. Prevent aspiration of vomit. Turn victim' s head to the side. Never give anything by mouth to an unconscious person.
Skin contact	IF ON SKIN**:** Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Destroy or thoroughly clean contaminated shoes before reuse. If symptoms persist, seek medical attention. Application of corticosteroid cream has been effective in treating skin irritation.
Eye contact	IF IN EYES**:** Rinse immediately with plenty of water for at least 15 minutes. Rinse immediately with plenty of water, also under eyelids, for at least 15 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)	Sensitizing and corrosive effect.
Indication of immediate medical attention/special treatment	Application of corticosteroid cream has been effective in treating skin irritation. 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)

Burning produces noxious and toxic fumes. Downwind personnel must be evacuated. Ammonia gas may be liberated at high temperatures. In case of incomplete combustion an increased formation of nitrogen (NOx) is to be expected. Incomplete combustion may form carbon monoxide. Combustible liquid. Vapors can travel to a source of ignition and flash back. Explosive mixtures may occur at temperatures at or above the flashpoint. Autoignition may occur with cotton waste or similar combustible materials.

Suitable and unsuitable extinguishing media

In case of fire: Use Carbon dioxide (CO_2), dry chemical, dry sand, limestone powder, alcohol resistant foam, water spray.
Don' t use high volume water jet.

Special protective equipment and precautions for fire-fighters

As in any fire, wear self-contained positive pressure breathing apparatus, (MSHA/NIOSH) approved or equivalent) and full protective gear. Use personal protective equipment.

Section 6. Accidental release measures

Personal precautions, protective equipment, and emergency procedures

Evacuate personnel to safe areas. Wear suitable protective clothing, gloves, and eye/face protection. Do not breathe vapours or spray mist. If possible, stop flow of product. Open enclosed spaces to outside atmosphere. Protect from moisture.

Methods and materials for containment and cleaning up

Place in appropriate chemical waste container. Stop leak if you can do it without risk. Construct a dike to prevent spreading. Call emergency response number for advice. Take up mechanically or with non-combustible absorbent material (diatomaceous earth. Fill into marked, sealable containers. Remove source of ignition. Ventilate area of release. Keep away from all watercourses. Do not flush down storm or sanitary sewer. Dispose of in accordance with local, provincial, and federal regulations.

Section 7. Handling and storage

Precautions for safe handling

Avoid breathing dust/fume/gas/mist/ vapors/spray. Avoid contact with skin and eyes. Contaminated work clothing should not be allowed out of the workplace. Removed contaminated clothing and wash before reuse. Wear gloves/protective clothing/ glasses /face protection. Hands should be washed with soap and plenty of water after contact with the material. Emergency showers and eye wash stations should be readily accessible. Wash off any skin contamination immediately.

Conditions for safe storage, including any incompatibilities

Store in a cool, well-ventilated area. Keep container closed when not in use. Protect from moisture. 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. Avoid release to the environment.

Section 8. Exposure controls/Personal protection

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

Exposure limits: CAS#54914-37-3 : 80 µg/m3 ST ESL ;8 µg/m3 AN ESL ; CAS#6846-50-0: 40 mg/L (Urine) ACGIH BEI (03 2016)

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. Use explosion-proof ventilation equipment. 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: Gloves: nitrile rubber 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.
Eye protection: 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.
Others : Not available

Section 9. Physical and chemical properties

Appearance, physical state/colour	Liquid pale	**Vapour pressure**	Not available
Odour	Ammoniac	**Vapour density**	Not available
Odour threshold	Not available	**Relative density**	1.15-1.2 (20^0C)
pH	11	**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	>86^0C	**Decomposition temperature**	Not available
Evaporation rate	Not available	**Viscosity**	250-300 cPs (20^0C)
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

: 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)

Air humidity, water

Incompatible materials

Organic acid, mineral acid, peroxide, oxidizing agents, nitrous acid and other nitrosating agents, sodium hypochlorite.

Hazardous decomposition products

Ammonia, nitrogen oxides, carbon mono and dioxide (CO, CO_2), nitrosamines, nitric acid, isophorone diamine isobutyraldehyde.

Section 11. Toxicological information

Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact)

Skin, eyes, inhalation, ingestion

Symptoms related to the physical, chemical, and toxicological characteristics

May cause moderate eye irritation. May cause irritation to respiratory tract.

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

Skin Sensitization – May cause moderate skin irritation.
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; LD_{50} & LC_{50})

CAS #136210-30-5: LD50 Oral - Rat> 2.000 mg/kg LD50 Dermal – Rat> 2.000 mg/kg LC50 Inhalation-Rat>4.224mg/L; CAS #6864-37-5: LC50 Inhalation-Rat 0.42mg/L; CAS #54914-37-3: LD50 Oral - Rat4150 mg/kg LD50 Dermal – Rat> 5.000 mg/kg

Section 12. Ecological information

Ecotoxicity (aquatic and terrestrial information)	**CAS#54914-37-3**: LC50: >100mg/L (96h, Danio rerio) EC50: 14.7 mg/L (Daphnia magna); EC50: >100mg/L growth rate (Desmodesmus subspicatus,72h)
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
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

UN2735; AMINES, LIQUID, CORROSIVE, N.O.S. (Isophorone diamine-isobutyraldimine; Amine cycloaliphatique); CLASS 8 ; PG III

UN number; Proper shipping name; Class(es); Packing group (PG) of the IMDG (maritime)

UN2735; AMINES, LIQUID, CORROSIVE, N.O.S. (Isophorone diamine-isobutyraldimine; Amine cycloaliphatique); CLASS 8 ; PG III

UN number; Proper shipping name; Class(es); Packing group (PG) of the IATA (air)

UN2735; AMINES, LIQUID, CORROSIVE, N.O.S. (Isophorone diamine-isobutyraldimine; Amine cycloaliphatique); 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)	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	January25, 2022 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

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.