



## SAFETY DATA SHEET (SDS)

## Section 1. Identification

<b>Product identifier</b>	CHEM 1000 PART A
<b>Other means of identification</b>	CHEM 1000 A
<b>Recommended use and restrictions on use</b>	Floor Coating
<b>Initial supplier identifier</b>	CHEMTEC; 4117 Industriel; Laval; Québec; Canada; <a href="mailto:info@epoxychemtec.com">info@epoxychemtec.com</a> T 450-629-1717
<b>Emergency telephone number/restriction on use</b>	Canada – CANUTEC 24-hour number 613-996-6666

## Section 2. Hazard identification

<b>Classification of hazardous product (name of the category or subcategory of the hazard class)</b>	
Skin sensitization (category 1) Germ cell mutagenicity (Category 1) Carcinogenicity (Category 1) Hazardous to the aquatic environment - Chronic (Category 3)	
<b>Information elements (symbols, signal words, hazard statements and precautionary statements of the category/subcategory)</b>	
  <p>Warning H317 May cause an allergic skin reaction. H340 May cause genetic defects. H350 May cause cancer. 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. P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P264 Wash skin thoroughly after handling. 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. P302+P352 IF ON SKIN: Wash with plenty of water. P308+P313 If exposed or concerned: Get medical advice. P321 Specific treatment see part 4 P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P362+P364 Take off contaminated clothing and wash it before reuse. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up. P501 Dispose of contents/container into safe container in accordance with local, regional, or national regulations.</p>	
<b>Other hazards known</b>	None

## Section 3. Composition/information on ingredients

Chemical name (common name/synonyms)	CAS number or other	Concentration (%)
Aspartic Acid, N,N'-(methylenedi-4,1-cyclohexanediyl)bis-, 1,1',4,4'-tetraethyl ester	136210-30-5	60-80
Aspartic ester	136210-32-7	10-30
Heavy naptha hydrotreated	64742-48-9	0.5-1.5
* 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

<b>Inhalation</b>	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention immediately if symptoms occur.
<b>Ingestion</b>	IF SWALLOWED: If ingestion is suspected, contact physician or poison center immediately. Do not induce vomiting. Rinse mouth with water. Give two glasses of water for dilution. Never give anything by mouth to an unconscious person.
<b>Skin contact</b>	IF ON SKIN: Get immediate medical attention. Immediately flush skin with plenty of soap and water. Remove contaminated clothing.. Wash clothing before reuse.
<b>Eye contact</b>	IF IN EYES: In case of contact, immediately flush eyes, keeping eyelids open, with plenty of water for at least 15 minutes. Do not rub affected area. Obtain medical attention. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>Additional Information</b>	Do not leave the victim unattended. No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it or wear glove
<b>Indication of immediate medical attention/special treatment</b>	In all cases, call a doctor. Do not forget this document.

## Section 5. Fire-fighting measures

<b>Specific hazards of the hazardous product (hazardous combustion products)</b>
By thermal decomposition or combustion, emit: Oxides de carbon (CO, CO <sub>2</sub> ), Nitrogen oxides (NO <sub>x</sub> ), Amines. Ammonia gas may be liberated at high temperatures. Formation of toxic gases is possible during heating or in case of fire. Formation of toxic gases is possible during heating or in case of fire.
<b>Suitable and unsuitable extinguishing media</b>
Use water spray, carbon dioxide (CO <sub>2</sub> ) alcohol resistant foam or dry chemical.
<b>Special protective equipment and precautions for fire-fighters</b>
Wear self-contained positive pressure breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.

**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. 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.

**Section 7. Handling and storage****Precautions for safe handling**

**Personal precautions, protective equipment, and emergency procedures:** Evacuate all non-essential personnel. Do not get direct personal contact with product. Do not breath dust, fume, gas, mist vapours or spray. Wear proper protective equipment. Eliminate all sources of ignition (no smoking, flares, sparks, or flames in immediate area). Ventilate area. Dike area to prevent spreading. Prevent runoff into drains, sewers, and other waterways. Inform responsible authorities in case of accidental release. Do not allow product to reach sewage system of any water course. Shovel or pump to properly identified drum or salvage tank. Absorb residual material with sand or other absorbent material. Spilled material and water rinses are classified as chemical waste and must be disposed of in accordance with current local, provincial, and federal regulations.

**Conditions for safe storage, including any incompatibilities**

Store in a cool, dry and well-ventilated area. Keep containers tightly closed. Storage temperature: store at 0-30 °C. Store separate from food products. Keep from freezing.

**Section 8. Exposure controls/Personal protection****Control parameters (biological limit values or exposure limit values and source of those values)**

Exposure limits: Heavy Naphtha hydrotreated: 100ppm (ACGIH TLV-TWA)

**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**

**Skin protection:** Chemical resistant gloves. Nitrile or fluorinated gloves are recommended. Wear a lab coat and safety boots per local regulations.

**Respiratory:** Full face mask with organic vapor cartridge, Type A filter (BP >65°C)

**Eye protection:** tightly sealed goggles

**Special instructions for protection and hygiene:** Eye wash fountain and safety shower be in proximity. Employees should wash their hands and face before eating, drinking, or using tobacco products.

**Section 9. Physical and chemical properties**

<b>Appearance, physical state/colour</b>	Liquid clear to yellowish	<b>Vapour pressure</b>	Not available
<b>Odour</b>	Not available	<b>Vapour density</b>	Not available
<b>Odour threshold</b>	Not available	<b>Relative density</b>	1.05-1.09(20°C)
<b>pH</b>	Not available	<b>Solubility</b>	Negligible
<b>Melting/freezing point</b>	Not available	<b>Partition coefficient - n-octanol/water</b>	Not available
<b>Initial boiling point/range</b>	Not available	<b>Auto-ignition temperature</b>	Not available
<b>Flash point</b>	> 94°C	<b>Decomposition temperature</b>	Not available
<b>Evaporation rate</b>	Not available	<b>Viscosity</b>	1500-2000cPs(20°C)
<b>Flammability (solids and gases)</b>	Not available	<b>VOC</b>	Not available
<b>Upper and lower flammability/explosive limits</b>	Not available	<b>Other</b>	None known

**Section 10. Stability and reactivity****Reactivity**

None known.

**Chemical stability**

Stable at normal temperature and pressures

**Possibility of hazardous reactions**

None known

**Conditions to avoid (static discharge, shock, or vibration)**

Contact with incompatible materials. Avoid high temperatures.

**Incompatible materials**

Oxidizing agents, acid, and isocyanate.

**Hazardous decomposition products**

By combustion or thermal decomposition may produce: Carbon oxides (CO, CO<sub>2</sub>) nitrogen oxides (NO<sub>x</sub>), amines. Ammonia gas may be liberated at high temperatures.

<b>Section 11. Toxicological information</b>	
<b>Information on the likely routes of exposure (inhalation, ingestion, skin, and eye contact)</b>	
Inhalation. Eye contact. Skin contact. Ingestion.	
<b>Symptoms related to the physical, chemical, and toxicological characteristics</b>	
May cause genetic defects	
<b>Delayed and immediate effects (chronic effects from short-term and long-term exposure)</b>	
<b>Effect of acute exposure):</b> May cause allergic skin reaction <b>Effects of chronic exposure:</b> May cause cancer. <b>Acute oral toxicity:</b> ATE (mixture): > 2000 mg/kg. <b>Acute dermal toxicity:</b> ATE (mixture): > 2000 mg/kg. <b>Acute inhalation toxicity:</b> ATE (mixture): > 20 mg/L (vapour). <b>Carcinogenicity of product:</b> 64742-48-9: May cause cancer. <b>Mutagenicity:</b> 64742-48-9: May cause genetic defects. <b>Reproductive effects:</b> 64742-48-9: Suspected of damaging fertility or the unborn child.	
<b>Numerical measures of toxicity (ATE; LD<sub>50</sub> &amp; LC<sub>50</sub>)</b>	
<b>136210-30-5 :</b> DL50 Orale – Rat > 2.000 mg/kg; <b>DL50 Cutané – Rat</b> > 2.000 mg/kg. <b>CL50 Inhalation-Rat</b> >4.224mg/L <b>136210-32-7 :</b> DL50 Orale – Rat > 2.000 mg/kg; <b>DL50 Cutané – Rat</b> > 2.000 mg/kg. <b>CL50 Inhalation-Rat</b> >4.224mg/L(4h, aerosol, rat) <b>64742-48-9 :</b> DL50 Orale – Rat > 5.000 mg/kg; <b>DL50 Cutané –Rabbit</b> > 5.000 mg/kg	
<b>Section 12. Ecological information</b>	
<b>Ecotoxicity (aquatic and terrestrial information)</b>	<b>64742-48-9 :</b> CL50:2200mg/L (96h, Pimephalespromelas) CL50=2.6mg/L(96h, Chaetogammarus marinus). CE50 : 9.2mg/l (48h, Daphnia magna). <b>136210-30-5 :</b> CE50 : 113 mg/L (à court terme algues); <b>136210-32-7 :</b> CE50 : 113 mg/L (72h, algues vertes (Scenedesmus subspicatus))
<b>Persistence and degradability</b>	No data available
<b>Bioaccumulative potential</b>	No data available
<b>Mobility in soil</b>	No data available
<b>Other adverse effects</b>	Harmful to aquatic life with long lasting effects.
<b>Section 13. Disposal considerations</b>	
<b>Information on safe handling for disposal/methods of disposal/contaminated packaging</b>	
Dispose of as an industrial waste in a manner acceptable to good waste management practice and in accordance with applicable local, regional or national regulations.	
<b>Section 14. Transport information</b>	
<b>UN number; Proper shipping name; Class(es); Packing group (PG) of the TDG Regulations</b>	
NOT REGULATED	
<b>UN number; Proper shipping name; Class(es); Packing group (PG) of the IMDG (maritime)</b>	
NOT REGULATED	
<b>UN number; Proper shipping name; Class(es); Packing group (PG) of the IATA (air)</b>	
NOT REGULATED	
<b>Special precautions (transport/conveyance)</b>	Keep from freezing.
<b>Environmental hazards (IMDG or other)</b>	None
<b>Bulk transport (usually more than 450 L in capacity)</b>	None
<b>Section 15. Regulatory information</b>	
<b>CEPA status:</b> Ingredients of this mixture appears on DSL.	
<b>Hazardous Products Regulations:</b> This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations and this document contains all the information required by the Hazardous Products Regulations.	
<b>TSCA:</b> Ingredients of this mixture appears on TSCA inventory	

**Section 16. Other information**

<b>Date of the latest revision of the safety data sheet</b>	January 17, 2022 version 1
<b>Corrections</b>	Complete review
<b>References</b>	Safety Data Sheets from manufacturer/supplier & from Canadian Centre for Occupational Health and Safety, CCOHS.
<b>Abbreviations</b>	
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.	