

SAFETY DATA SHEET (SDS)

Section 1. Identification

Product identifier	CHEM 1000 WT , Part A
Other means of identification	CHEM 1000 WT -A
Recommended use and restrictions on use	Floor Coating
Initial supplier identifier	Chemtec 913 Michelin Laval (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)
Skin sensitization (Category 1) 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

H317 May cause an allergic skin reaction
H412 Harmful to aquatic life with long lasting effects

Prevention

P261 Avoid breathing dust/fume/gas/mist/vapors/spray. P272 Contaminated work clothing should not be allowed out of the workplace. P273 Avoid release to the environment P280 Wear gloves/protective clothing/gloves/eye protection/face protection.

Response

IF ON SKIN: P302 + P352 Wash with plenty of water. P333 + P313 If skin irritation or rash occurs: Get medical attention. P362 + P364 Take off contaminated clothing and wash it before reuse.

Storage

P403 Store in a well-ventilated place.

Disposal

P501 Dispose of contents/container into safe container in accordance with local, regional or national regulations.

Other hazards known	None
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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	< 70 %
Polyaspartic Polyurea Resin	136210-32-7	< 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 symptoms persist, seek medical attention.
Ingestion	IF SWALLOWED: Immediately call a doctor. Prevent aspiration of vomit.
Skin contact	IF ON SKIN: Take off contaminated clothing, wash immediately with soap and plenty of water (20 - 30 minutes). If skin irritation occurs: Get medical attention. Wash clothing before reuse. If symptoms persist, seek medical attention.
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)	May cause an allergic skin reaction.
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 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 face piece.

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures
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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). Prevent the spill spread into drains, sewers, water supplies, or soil.

Methods and materials for containment and cleaning up

Avoid prolonged exposure. Ventilate area of release. Stop the leak if it can be done safely. Stop leak if you can do it without risk. Do not touch or walk through spilled material. Spill should be contained with inert material and disposed into suitable retaining area. 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. 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. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear gloves/protective clothing/goggles/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. 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 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	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	165 °C
Flash point	> 65 °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, acid and isocyanate.

Hazardous decomposition products

Ammonia, nitrogen oxides, carbon mono and dioxide CO₂ (CO), amines.

Section 11. Toxicological Information

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

May cause an allergic skin reaction.

Symptoms related to the physical, chemical and toxicological characteristics

Skin irritation.

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

Skin Sensitization – May cause allergic skin reaction; 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; LD₅₀ & LC₅₀)

CAS 136210-30-5: LD₅₀ Oral/Dermal - Rat > 2.000 mg/kg; LC₅₀ Inhalation - Rat > 4.224 mg/m³ 4hrs; ATE not available in this document.

Section 12. Ecological Information

Ecotoxicity (aquatic and terrestrial information)

Toxicity to fish: CAS 136210-30-5: LC₅₀: 66mg/l (Zebra fish (Brachydanio rerio) 96h);

Toxicity to Aquatic Invertebrates: CAS 136210-30-5 EC₅₀: 88.6 mg/l (Water flea (Daphnia magna) 48h) ;

Toxicity to Aquatic and Terrestrial Plants: CAS 136210-30-5 EC₅₀: 3110 mg/l (Green algae (Scenedesmus subspicatus) 72h); 113 mg/l, 72h.

Persistence and degradability | CAS 136210-30-5 13% exposure time: 28 days, Not readily biodegradable.

Bioaccumulative potential | No data available

Mobility in soil | No data available

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

Not regulated

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

Not regulated

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

Not regulated

Special precautions (transport/conveyance) | None

Environmental hazards (IMDG or other) | None

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).

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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