SAFETY DATA SHEET (SDS)

Section 1. Identification

<table>
<thead>
<tr>
<th>Product identifier</th>
<th>CHEM 3000 FC, Part A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other means of identification</td>
<td>FF-IPU-000-A</td>
</tr>
<tr>
<td>Recommended use and restrictions on use</td>
<td>Floor Coating</td>
</tr>
<tr>
<td>Initial supplier identifier</td>
<td>Chemtec 913 Michelin Laval Québec (Canada) H7L-5B6 450-629-1717</td>
</tr>
<tr>
<td>Emergency telephone number/restriction on use</td>
<td>Canada – CANUTEC Number 24 hours 613-996-6666</td>
</tr>
</tbody>
</table>

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

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

<table>
<thead>
<tr>
<th>Chemical name (common name/synonyms)</th>
<th>CAS number or other</th>
<th>Concentration (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tetrahydroxypropylethylene diamine</td>
<td>136210-30-5</td>
<td>25 - 40 %</td>
</tr>
<tr>
<td>Light aromatic solvent naphtha</td>
<td>64742-95-6</td>
<td>45 – 70 %</td>
</tr>
</tbody>
</table>

Section 4. First-Aid Measures

Inhalation
IFI NHALED: 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
IFI 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 (CO₂), 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 it 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-sparking 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/protection 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 touch 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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance, physical state/colour</td>
<td>Liquid</td>
</tr>
<tr>
<td>Odour</td>
<td>Aromatic</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>Not available</td>
</tr>
<tr>
<td>pH</td>
<td>Not available</td>
</tr>
<tr>
<td>Melting/freezing point</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapour density</td>
<td>Not available</td>
</tr>
<tr>
<td>Relative density</td>
<td>Not available</td>
</tr>
<tr>
<td>Solubility</td>
<td>Negligible</td>
</tr>
<tr>
<td>Partition coefficient - n-octanol/water</td>
<td>Not available</td>
</tr>
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</table>
Section 1. Identification

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 IATA (air)

NAME: Resin
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:

Section 2. Physical and Chemical Properties

Physical properties

Evaporation rate Not available
Flammability (solids and gases) Not available
VOC Not available

Chemical stability
Yes, Stable under the recommended storage and handling conditions prescribed.

Reactivity
Stable under normal conditions.

Section 3. Stability and Reactivity

Reactivity
Stable under normal conditions.

Chemical stability
Yes, Stable under the recommended storage and handling conditions prescribed.

Possible 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.

Section 4. 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 5. Regulatory Information

Safety/health Canadian regulations specific
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
| Description
---|---
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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