SAFETY DATA SHEET (SDS)

Section 1. Identification

Product identifier | CHEM CAST, Part B
Other means of identification | EC-B
Recommended use and restrictions on use | Floor Coating
Initial supplier identifier | Chemtec 913 Michelin H7L-5B6 Laval (Canada) 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 corrosion/irritation (Category 1C)
- Serious eye damage/eye irritation (Category 1)
- Hazardous to the aquatic environment, acute hazard (Category 3)
- Hazardous to the aquatic environment, long-term-hazard (Category 2)

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

Warning
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H402 Harmful to aquatic life
H411 Harmful to aquatic life with long lasting effects.

Prevention

Response
IF SWALLOWED: P301 + P330 + P331 Rinse mouth. Do NOT induce vomiting.
IF ON SKIN (OR HAIR): P303+P361+P353 Take off immediately all contaminated clothing. Rinse skin with water (or shower). P363 Wash contaminated clothing before reuse.
IF INHALED: P304 + P340 Remove person to fresh air and keep comfortable for breathing. P310 Immediately call a POISON CENTER.
IF IN EYES: P305 + P351 + P338 Rinse cautiously with water. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER.
ENVIRONMENT: P391 Collect spillage

Storage
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>Durcisseur Epoxy</td>
<td></td>
<td>10 - 40%</td>
</tr>
<tr>
<td>Amine Aliphatique</td>
<td>-----</td>
<td>50 – 100 %</td>
</tr>
</tbody>
</table>

*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. Never give anything by mouth to an unconscious person. 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. Discard items which cannot be decontaminated, including leather articles such as shoes, belts and watchbands. 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) | Causes severe skin burns and eye damage. Causes serious eye damage.

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)
- Oxides of carbon and nitrogen.

Suitable and unsuitable extinguishing media
In case of fire: Use Carbon dioxide (CO₂), dry chemical.

**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. Removal of 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**

Do not breathe dust/fume/gas/mist/vapours/spray. Wash hands/nails/face/eyes thoroughly after handling. Avoid release to the environment. Wear protective clothing/gloves/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: use suitable protective clothing to prevent any possibility of skin contact; 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>Appearance, physical state/colour</th>
<th>Liquid</th>
<th>Odour</th>
<th>Amine</th>
<th>Vapour pressure</th>
<th>1 mmHg at 100°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Odour threshold</td>
<td>Not available</td>
<td>Relative density</td>
<td>Not available</td>
<td>Solubility</td>
<td>Not available</td>
</tr>
<tr>
<td>pH</td>
<td>8 – 11</td>
<td>Vapour density</td>
<td>Not available</td>
<td>Partition coefficient - n-octanol/water</td>
<td>Not available</td>
</tr>
<tr>
<td>Melting/freeze point</td>
<td>Not available</td>
<td>Auto-ignition temperature</td>
<td>Not available</td>
<td>Decomposition temperature</td>
<td>Not available</td>
</tr>
<tr>
<td>Initial boiling point/range</td>
<td>Not available</td>
<td>Viscosity</td>
<td>Not available</td>
<td>VOC</td>
<td>Not available</td>
</tr>
<tr>
<td>Flash point</td>
<td>128 °C (262°F)</td>
<td>Evaporation rate</td>
<td>Not available</td>
<td>Other</td>
<td>None known</td>
</tr>
<tr>
<td>Upper and lower flammability/explosive limits</td>
<td>Not available</td>
<td>Flammability (solids and gases)</td>
<td>Not available</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Section 10. Stability and Reactivity**

**Reactivity**

Does not react under the recommended storage and handling conditions prescribed.

**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**

Avoid contact with oxidizing materials.
Hazardous decomposition products

None known.

### Section 11. Toxicological Information

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

Causes severe skin burns and eye damage. Causes serious eye damage.

**Symptoms related to the physical, chemical and toxicological characteristics**

Corrosive, may cause skin burns.

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

Skin Sensitization – Possible. Respiratory Sensitization – No data available; Germ Cell Mutagenicity – Not available; Carcinogenicity – No ingredient listed in IARC; Reproductive Toxicity – Not available; Specific Target Organ Toxicity — Single Exposure – No information found; Specific Target Organ Toxicity — Repeated Exposure – No information found; Aspiration Hazard – No information found; Health Hazards Not Otherwise Classified – No data available.

**Numerical measures of toxicity (ATE; LD₅₀ & LC₅₀)**

Amine Aliphatique LD₅₀ Oral - Rat 2885.3 mg/kg; LD₅₀ Dermal Rabbit 2979.7 mg/kg; LC₅₀ Inhalation Rat 0.74 mg/kg; ATE not available in this document.

### Section 12. Ecological Information

**Ecotoxicity (aquatic and terrestrial information)**

- **Fish toxicity** Amine Aliphatique: LC₅₀: 772.14 mg/L (Fish, 96h);
- **Toxicity to Aquatic Invertebrates**: Amine Aliphatique - EC₅₀: 418.34 mg/l (Daphnia) 48h.
- **Toxicity to Bacteria**: Amine Aliphatique - EC₅₀: 750 mg/l (Bacteria) 3h.
- **Persistence and degradability**: Amine Aliphatique : Not biodegradable
- **Bioaccumulative potential**: Amine Aliphatique: 1.34 LogP low
- **Mobility in soil**: No data available
- **Other adverse effects**: Harmful to aquatic life. 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**

- UN 2735; NAME: Amines liquids, corrosives, N.O.S.; HAZARD CLASS: 8; PACKING GROUP: III
- UN 2735; NAME: Amines liquids, corrosives, N.O.S.; HAZARD CLASS: 8; PACKING GROUP: III s.
- UN 2735; NAME: Amines liquids, corrosives, N.O.S.; HAZARD CLASS: 8; PACKING GROUP: III

**Special precautions (transport/conveyance)**

- May also be shipped as a LIMITED QUANTITY in accordance with TDG.
- Marine pollutant

**Environmental hazards (IMDG or other)**

### Section 15. 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 specific**

Refer to Section 3 for ingredient(s) of the DSL.

**Safety/health/environmental outside regulations specific**

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**

November 28, 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
<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NTP</td>
<td>National Toxicology Program (U.S.A.)</td>
</tr>
<tr>
<td>OSHA</td>
<td>Occupational Safety and Health Administration (U.S.A.)</td>
</tr>
<tr>
<td>PEL</td>
<td>Permissible Exposure Limit</td>
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<tr>
<td>STEL</td>
<td>Short-term Exposure Limit</td>
</tr>
<tr>
<td>TDG</td>
<td>Transport of dangerous goods in Canada</td>
</tr>
<tr>
<td>TLV</td>
<td>Threshold Limit Value</td>
</tr>
<tr>
<td>TSCA</td>
<td>Toxic Substances Control Act</td>
</tr>
<tr>
<td>TWA</td>
<td>Time Weighted Average</td>
</tr>
<tr>
<td>WHMIS</td>
<td>Workplace Hazardous Materials Information System</td>
</tr>
</tbody>
</table>

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