LC 1099

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING
   • Material Name: LC 1099
   • Synonyms/Trade Names: Capric Acid
   • Company Identification:
     Peter Cremer North America
     3117 Southside Ave.
     Cincinnati, OH 45204
     1-513-471-7200
     1-877-901-7262

   Emergency Phone Number:
   CHEMTREC 1-800-424-9300 U.S. and Canada
   1-703-527-3887 For calls originating elsewhere

   For Quality or Service Issues:
   Call Customer Service
   1-877-901-7262 or 513-471-7200

2. COMPOSITION & INGREDIENTS HAZARDS IDENTIFICATION

<table>
<thead>
<tr>
<th>Name:</th>
<th>CAS No.</th>
<th>EINECS NO.</th>
<th>Weight %</th>
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<tbody>
<tr>
<td>Capric Acid or Decanoic Acid</td>
<td>334-48-5</td>
<td>206-376-4</td>
<td>N/A</td>
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</tbody>
</table>

3. HAZARDS IDENTIFICATION
   • European Hazard Classification: Not applicable
   • Emergency Overview: Causes skin irritation and causes serious eye irritation. May cause respiratory irritation.
   • Potential Health Effects:
     Eyes: If eye irritation persists, seek medical attention.
     Skin: If skin irritation occurs, seek medical attention.
     Inhalation: If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing.
   • Physical/Chemical Hazards: None identified.
   • Environmental Hazards: None identified.
4. **FIRST AID MEASURES**

- **Eye –** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes holding eyelids apart. Seek medical attention as needed.
- **Skin –** Wash skin with soap and water upon contact. Remove contaminated clothing. If irritation develops, seek medical attention. Wash clothing before reuse.
- **Inhalation –** Remove to fresh air. Get medical attention as needed.
- **Ingestion –** Do not induce vomiting. Rinse mouth out with water and seek medical attention.

5. **FIRE FIGHTING MEASURES**

- **Suitable extinguishing media:** Carbon dioxide, dry chemical, foam and water spray.
- **Unsuitable extinguishing media (must not be used for safety reasons):** Water Jet
- **Sensitivity to mechanical impact/static discharge:** None identified.
- **Other Fire Fighting Consideration:** Wear self-contained breathing apparatus and full protective clothing.
- **Hazardous Products of Combustion:** Carbon monoxide and carbon dioxide

6. **ACCIDENTAL RELEASE MEASURES**

- **Personal Precautions:** Wear personal protection equipment. Avoid breathing vapors or mist.
- **Environmental Precautions:** Minimize contamination of drains, surface and ground waters.
- **Procedures for Spill/Leak Clean-up:** Soak up with absorbent such as dry earth, sand or other non-combustible material and transfer to containers for disposal. Dispose in compliance with Federal, State, and /or Local requirements.

7. **HANDLING AND STORAGE**

- **Handling:** Use gloves and wear goggles.
- **Storage:** Keep in a cool and dry place, avoid extreme heat and cold. Avoid direct fire. Keep separate from oxidants. Store in clean, dry, preferably stainless steel vessels. In bulk, store at about 10 deg C above melting point or ambient. Temperature higher than necessary degrades quality at rate dependent on time and temperature of exposure. Exposure to ultraviolet light and sunlight must be minimized to prevent quality loss.

8. **EXPOSURE CONTROLS, PERSONAL PROTECTION**

- **Personal Protective Equipment:**
  - **Eyes –** Protective goggles
  - **Skin –** Protective work clothing. Immediately remove contaminated clothing.
  - **Inhalation –** An appropriate NIOSH/MSHA approved air purifying respirator should be used if a mist or vapor is generated. A NIOSH/MSHA approved self contained breathing apparatus or air supplied respirator is recommended if the concentrations exceeds the capacity of the cartridge respirator.
  - **Hands –** Adequate protective gloves.
9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Liquid

Boiling Point: 269° C @ 760mm Hg

Melting Point/ Freezing Point: 31° C

Vapor Pressure: <7.5 x 10^-4 mm Hg @ 20ºC

Relative Density: < 1.0 @ 20 ºC at saturated mixture vapour/air (air=1)

Solubility: 0.15g/l @ 20 ºC

Partition coefficient- n-octanol/water: 4.09

Auto-ignition temperature: >250ºC

Decomposition Temperature: Not available

Viscosity: 5.37mPa.s @ 40 ºC

Density @ 20ºC: 1.022 g/ml

Relative molecular mass: 172.3

Color: Clear pale yellow

Melting Point/ Freezing Point: 31° C

Vapor Pressure: <7.5 x 10^-4 mm Hg @ 20ºC

Relative Density: < 1.0 @ 20 ºC at saturated mixture vapour/air (air=1)

Solubility: 0.15g/l @ 20 ºC

Partition coefficient- n-octanol/water: 4.09

Auto-ignition temperature: >250ºC

Decomposition Temperature: Not available

Viscosity: 5.37mPa.s @ 40 ºC

Density @ 20ºC: 1.022 g/ml

Relative molecular mass: 172.3

Odor: Slight unpleasant, musty rancid odour

Odor Threshold: Not available

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Vapor Pressure: <7.5 x 10^-4 mm Hg @ 20ºC

Relative Density: < 1.0 @ 20 ºC at saturated mixture vapour/air (air=1)

Solubility: 0.15g/l @ 20 ºC

Partition coefficient- n-octanol/water: 4.09

Auto-ignition temperature: >250ºC

Decomposition Temperature: Not available

Viscosity: 5.37mPa.s @ 40 ºC

Density @ 20ºC: 1.022 g/ml

Relative molecular mass: 172.3

Flash Point: >140º C

Evaporation Rate: Not applicable

Flammability (solid/gas): Not flammable

Explosive Limits: Not explosive

10. STABILITY AND REACTIVITY

• Incompatible Materials to Avoid: None Known
• Hazardous Decomposition Products: None Known

11. TOXICOLOGICAL INFORMATION

• Acute Oral Toxicity:
  LD50 Rat >10000 mg/kg (body weight)

• Acute Dermal Toxicity:
  LD50 Rabbit >5000 mg/kg (body weight)

• Skin Corrosion/ Irritation:
  Primary skin irritation (rabbit)- Irritating

  Skin: Not sensitizing
  Eyes: Highly irritating
  Inhalation: Not sensitizing
  Germ cell mutagenicity: None
  Carcinogenicity: None
  Reproductive toxicity: No harmful effect expected
  STOST-single/repeated exposure: None
  Aspiration hazard: Not available

12. ECOLOGICAL INFORMATION

• Ecotoxicity in Water:
  LC50  Acute fish toxicity >100 mg/l
  EC50  Acute bacteria toxicity >100 mg/l
  EC50  Daphnia magna >65 mg/l
  EC50  Algae 0.002mmo/L

  Products of Biodegradation: Readily biodegradable

  LC50  Acute fish toxicity >100 mg/l
  EC50  Acute bacteria toxicity >100 mg/l
  EC50  Daphnia magna >65 mg/l
  EC50  Algae 0.002mmo/L

  Products of Biodegradation: Readily biodegradable
13. **DISPOSAL CONSIDERATIONS**

DISPOSAL IS TO BE PERFORMED IN COMPLIANCE WITH ALL FEDERAL, STATE/PROVINCIAL AND LOCAL REGULATION. Do not dispose of via sinks, drains or into the immediate environment.

14. **TRANSPORT INFORMATION**

- **UN Number:** None
- **UN Proper Shipping Name:** None
- **Packing Group:** None
- **Transport Hazard Class:** Non hazardous according to RID/ADR, GGVS/GGVE, ADNR, IMDG, ICAO-TI/IATA-DGR

15. **ADDITIONAL REGULATORY INFORMATION**

- **Inventory Status:**
  - TSCA (US), AICS (Australia), DSL/NDSL (Canada), EINECS (EU), CHIRP (Japan), NZIoC (New Zealand), PICCS (Philippines).

16. **OTHER INFORMATION**

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