

PETER CREMER

NORTH AMERICA, LP

ME-1095

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

- **Material Name:** ME-1095
- **Synonyms/Trade Names:** Methyl Decanoate.
- **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

<u>Name:</u>	<u>CAS No.</u>	<u>EINECS No.</u>	<u>Weight %</u>
Decanoic Acid, Methyl Ester	110-42-9	N/A	95-100

3. HAZARDS IDENTIFICATION

- **Emergency Overview:** Caution: Eye and Skin Irritant.
- **Potential Health Effects:**

Eyes: May cause minor to moderate irritation.
Skin: Mild, primary skin irritation with prolonged or repeated exposure.
Inhalation: No harmful effects expected with normal use. Inhalation of vapors or mists of the product may be irritating to the respiratory system.
Ingestion: May cause irritation of the gastrointestinal tract
- **Physical/Chemical Hazards:** Combustible liquid and vapor may be ignited by heat, sparks, or open flames. Containers may explode when heated.
- **Environmental Hazards:** None identified.

<u>HMIS® Ratings</u>	<u>NFPA Ratings</u>
Health: 0	Health: 0
Flammability: 2	Flammability: 2
Physical Hazard: 0	Instability: 0

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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. If breathing stops, provide artificial respiration. If breathing is difficult, give oxygen. Get medical attention as needed.
- **Ingestion –** If ingested, do not induce vomiting. Get medical attention immediately. Never give anything by mouth to a person who is unconscious or is having convulsions

5. FIRE FIGHTING MEASURES

- **Suitable extinguishing media:** Carbon dioxide, dry chemical, foam.
- **Unsuitable extinguishing media:** Water may be ineffective.
- **Sensitivity to mechanical impact/ static discharge:** None identified.
- **Other Fire Fighting Consideration:** Wear self-contained breathing apparatus and full protective clothing. Cool containers with flooding quantities of water until well after fire is out. Vapors may travel to the source of ignition and flash back.
- **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:** Dike flow of spilled material using soil or sandbags to minimize contamination of drains, surface and ground waters.
- **Procedures for Spill/ Leak Clean-up:** Ventilate the area. Eliminate sources of ignition. Contain spill. Soak up with absorbent such as dry earth, sand or other non-combustible material and transfer to containers for disposal. Use clean non-sparking tools to collect absorbed material.
Dispose in compliance with Federal, State, and /or Local requirements.

7. HANDLING AND STORAGE

- **Handling:** Avoid contact with skin and eyes. Avoid contact with clothing. Wash thoroughly after handling. Ground and bond containers when transferring material. Use spark-proof tools and explosion-proof equipment.
- **Storage:** Can be stored in most common storage vessels including carbon steel, aluminum, fiberglass and stainless steel. Keep away from heat, sparks, and flame. Keep away from possible contact with incompatible substances. Store in a cool dry place in accordance with 29 CFR 1910-106/NFPA 30.

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8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Personal Protective Equipment:

- **Eyes** – Goggles or face shield with goggles, dependent on potential exposure.
- **Skin** – Dependent upon degree of potential exposure, additional protective equipment may be required, such as chemical boots and full protective clothing.
- **Inhalation** – Not required at ambient temperature, although 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** – Protective Gloves: Nitrile

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Liquid

Color: Water, White to Yellow.

Odor: Musty.

Odor Threshold: Not available.

Vapor Density: Not available.

Relative Density @ 25/25°C: 0.87

Flash Point: 200-208°F (93.3-97.8°C) PMCC

Flammability Limit (Lower and Upper): Not available.

Decomposition Temperature: Not available.

VOC: Not available.

Boiling Point @ 760 mm Hg (101.3kPa):
>350° F (>176.7° C)

Melting Point: 6.8°F (-14°C)

Freezing Point: Not available.

Vapor Pressure @ 72°F (22°C): < 1 mm Hg

pH: Not available.

Solubility in Water: Not available.

Auto-ignition Temperature: Not available.

Evaporation Rate: Not available.

Specific Gravity: Not available.

Partition Coefficient (n-octanol/water): Not available.

10. STABILITY AND REACTIVITY

- **Chemical Stability:** Stable at normal conditions.
- **Conditions to Avoid:** Reacts with strong base to produce methanol.
- **Materials to Avoid:** Oxidizing agents. Strong bases.
- **Hazardous Decomposition Products:** Does not decompose up to 300°F (149°C). Carbon monoxide with incomplete combustion.
- **Hazardous Polymerization:** Does not occur.

11. TOXICOLOGICAL INFORMATION

• Further Information

Acute Oral Toxicity: The acute oral LD50 on Rats would be expected to be >23 g/kg of body weight.

Eye Irritation: Mild transient eye irritation would be expected with undiluted product in Rabbits.

Skin Irritation: 24 hour human patch test indicated that undiluted product produced mild irritation. The irritancy was less than the result produced by a 4% aqueous soap solution.

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12. ECOLOGICAL INFORMATION

- **Aquatic Toxicity**

The 96h LC50 for Bluegills would be expected to be >423 mg/l.

Microbiological Inhibition: None at 10,000 mg/l.

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

- U.S. DOT: Not regulated as dangerous goods.
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15. ADDITIONAL REGULATORY INFORMATION

- **Inventory Status:**

TSCA (US/Puerto Rico), AICS (Australia), DSL (Canada), IECSC (China), EINECS (EU), ENCS (Japan), ECL (Korea), NZLoC (New Zealand), PICCS (Philippines).

16. OTHER INFORMATION

IMPORTANT: The information on product provided herein, while believed to be accurate and reliable, is given without guarantee or warranty of any kind expressed or implied. Any implied warranties of merchantability and fitness for purposes are expressly disclaimed. Purchaser assumes all risk in acting on this information or any information provided by Peter Cremer N.A. representatives. Individual requirements may vary, and each purchaser is urged to perform its own tests, experiments and investigations in the use of Peter Cremer N.A. products for purposes of determining efficacy for the intended use and for purposes of determining compliance with applicable Federal, State and local laws and regulations. Nothing contained herein shall be construed as a recommendation to use any product in connection with existing patents covering any material or its use. Moreover, no license is to be implied under any patents relating to uses of the above described chemicals other than those uses specifically referenced herein.