

# PETER CREMER

NORTH AMERICA, LP

## FA-1214

### MATERIAL SAFETY DATA SHEET

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

- **Material Name:** FA-1214
- **Synonyms/Trade Names:** Mid Cut Fatty Acid—Lauric Acid/Myristic 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

<u>Name:</u>	<u>CAS No.</u>	<u>EINECS NO.</u>	<u>Weight %</u>
Fatty Acids, C <sub>10-16</sub>	68002-90-4	268-105-6	100

#### 3. HAZARDS IDENTIFICATION

- **European Hazard Classification:** This product is classified as Xi—Irritant, R36—Irritating to eyes
- **Emergency Overview:** May cause eye irritation.
- **Potential Health Effects:**

**Eyes:** Accidental exposure to the eyes will cause only mild but transient irritation.

**Skin:** Mild, primary skin irritation with prolonged or repeated contact. Heated product may cause thermal burns if contacted.

**Inhalation:** May elicit transient pulmonary irritation if inhaled.

**Ingestion:** May cause irritation to mucous membranes.

**If product is heat,** vaporization can occur. Eye, skin, and upper respiratory irritation can occur.
- **Physical/Chemical Hazards:** None identified.
- **Environmental Hazards:** None identified.

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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 immediately.
- **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 not breathing, give artificial respirator. If breathing is difficult, give oxygen. Get medical attention as needed.
- **Ingestion –** If swallowed, do not induce vomiting. Seek medical attention. Never give anything by mouth to an unconscious person.

## 5. FIRE FIGHTING MEASURES

- **Suitable extinguishing media:** SMALL FIRES: Use Carbon dioxide or dry chemical.  
LARGE FIRES: Use foam. DO NOT use water.
- **Unsuitable extinguishing media:** Do not use water as an extinguishing media.
- **Sensitivity to mechanical impact/  
static discharge:** None identified.
- **Special Protective Equipment:** Wear self-contained breathing apparatus and full protective clothing.
- **Other Fire Fighting Consideration:** Cool containers with flooding quantities of water until well after fire is out. Potential combustible dust if flaked or powdered. Dust generated from flaked product will be combustible at sufficient concentration.
- **Hazardous Products of Combustion:** Does not decompose up to 400°F (204°C). Thermal decomposition or burning may produce carbon monoxide and/or carbon dioxide.

## 6. ACCIDENTAL RELEASE MEASURES

- **Personal Precautions:** An appropriate NIOSH/MSHA approved respirator should be used if a mist, vapor or dust is generated. Wear personal protection equipment such as suitable gloves and eye/face protection. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
- **Environmental Precautions:** Minimize contamination of drains, surface and ground waters. Dike flow of spilled material using soil or sandbags to minimize contamination of drains, surface and ground waters.
- **Procedures for Spill/  
Leak Clean-up:** Sweep or shovel solids. 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:** Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Since empty containers contain product residue, follow all hazard warnings and precautions even after container is emptied. Keep away from sources of ignition.
- **Storage:** Keep away from possible contact with incompatible substances. Store in acid resistant vessels. Do not store near sources of ignition.

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## 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

### Personal Protective Equipment:

- **Eyes** – Goggles or face shield with goggles, dependent upon potential exposure.
- **Skin** – Protective work clothing. Immediately remove contaminated clothing. Dependent upon degree of potential exposure, additional personal protective equipment may be required, such as chemical boots and full protective 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** – Protective gloves: Rubber or Plastic
- **Other Controls** Boots, eye wash fountain, safety shower, apron, protective clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Form @ 72°F (22°C):</b> Solid	<b>Boiling Point@ 760 mm Hg (101.3kPa):</b> >570°F (>299° C)
<b>Color:</b> White to Light Yellow	<b>Freezing Point:</b> Not available
<b>Odor:</b> Must, fatty	<b>Vapor Pressure @ 72°F (22°C):</b> < 1 mm Hg
<b>Order Threshold:</b> Not available	<b>pH:</b> 3-4
<b>Vapor Density:</b> Not available	<b>Solubility in Water @72°F (22°C):</b> Negligible
<b>Relative Density @ 20/20°C:</b> 0.87	<b>Solubility in Fat (solvent-oil):</b> Not available
<b>Viscosity:</b> Not available	<b>Auto-ignition Temperature:</b> Not available
<b>Flash Point &amp; Method:</b> >300°F (149°C) PMCC	<b>Partition Coefficient (n-octanol/water):</b> Not available
<b>Flammability (solid, gas):</b> Not available.	<b>Coefficient of water/oil distribution:</b> Not available.
<b>Evaporation Rate (nBuOAc=1):</b> Not available.	<b>Oxidizing Properties:</b> Not available.
<b>Explosive Limits (Lower and Upper):</b> Not available	
<b>Explosive Properties:</b> Not available.	

## 10. STABILITY AND REACTIVITY

- **Stability:** Stable under normal operational conditions.
- **Conditions to Avoid:** Not available.
- **Materials to Avoid:** Strong oxidizing agents
- **Hazardous Decomposition Products:** Does not decompose up to 400°F (204°C). Thermal decomposition or burning may produce carbon monoxide and/or carbon dioxide.
- **Hazardous Polymerization:** Will not occur.

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## 11. TOXICOLOGICAL INFORMATION

- **Dodecanoic Acid:**

**Irritation Data:**

Eye, rabbit	Corneal opacity, mild conjunctivitis, iritis—72h observation
Skin, rabbit	500 mg. Mild irritation effects

**Acute Toxicity:**

Oral, rat LD50	12 gm/kg
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- **Tetradecanoic Acid:**

**Irritation Data:**

Eye, rabbit	100 mg. Mild irritation effects
Skin, human	75 mg/3D-I MOD

**Acute Toxicity:**

LD50 skin, rabbit	No available data
LD50 oral, rat	>10 gm/kg

## 12. ECOLOGICAL INFORMATION

- **Dodecanoic Acid:**

Bluegill sunfish	96h LC50	63.3 mg/l
	NOEC	32 mg/l
Oryzias latipes	96h LC50	8.6 mg/l
Gammarus sp.	48h EC50	8.6 mg/l
Nitzschia sp.	72h EC50	30,000 mol/l

**Microbiological Inhibition**

None at 10,000 mg/l

- **Tetradecanoic Acid:**

Gammarus (Hyale plumulosa)	96h LC50	no mortality at saturation conc.
Goldfish	lethal dose	9 mg/l (sodium salt)
Red Killifish (Oryzias latipes)	96h LC50	in seawater: no mortality at saturation conc. 188mg/l (sodium myristate)

## 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 for transport.
- Not classified in RID/ADR-ADNR-IMDG-ICAO/IATA-DGR

## 15. ADDITIONAL REGULATORY INFORMATION

- **Inventory Status:**

TSCA (US), AICS (Australia), DSL/NDSL (Canada), IECSC (China), EINECS (EU), KECI (Korea)

Water endangering class – slightly water endangering is based on the computation rule of VwVwS Annex 4 for mixtures.

**EC LABELING AND CLASSIFICATION:**

According to Directives 67/548/EEC and 1999/45/EC.

-Symbol:	Xi	Irritant
-Risk phrase(s):	R36	Irritating to eyes.
-Safety phrase(s):	S25	Avoid contact with eyes.
	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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## 15. ADDITIONAL REGULATORY INFORMATION CONTD.

### Canada

#### HAZARDOUS INGREDIENTS – WHMIS (Canadian Workplace Hazardous Materials Information System)

This product when tested as a whole is considered a controlled substance Class D, Division 2, Subdivision b (skin and eye irritant, toxic) within the meaning of the Hazardous Products Act.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

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## 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.