

PETER CREMER

NORTH AMERICA, LP

AL-1270

MATERIAL SAFETY DATA SHEET

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

- **Material Name:** AL-1270
- **Synonyms/Trade Names:** Lauryl/Myristyl Alcohol
- **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>Weight %</u>
Alcohols, C ₁₀₋₁₆	67762-41-8	100

3. HAZARDS IDENTIFICATION

- **Emergency Overview:** OSHA: this product is considered not hazardous under 29 CFR 1910.1200 (Hazard Communication).
- **Potential Health Effects:** Not available.
- **Physical/Chemical Hazards:** None identified.
- **Environmental Hazards:** May cause long-term adverse effects in the environment.

<u>HMIS® Ratings</u>	<u>NFPA Ratings</u>
Health: 0	Health: 0
Flammability: 1	Flammability: 1
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 water/shower. If irritation develops, seek medical attention.
- **Inhalation –** If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.
- **Ingestion –** Rinse mouth out. If ingestion of a large amount does occur, call poison control center immediately.

5. FIRE FIGHTING MEASURES

- **Suitable extinguishing media:** Carbon dioxide, dry chemical powder, foam, water and water fog.
- **Unsuitable extinguishing media:** Not applicable.
- **Sensitivity to mechanical impact/ static discharge:** None identified.
- **Other Fire Fighting Consideration:** In the event of a fire, cool tanks with water spray. Use water spray to cool unopened containers. Wear suitable protective equipment.

6. ACCIDENTAL RELEASE MEASURES

- **Personal Precautions:** Keep unnecessary personnel away.
- **Environmental Precautions:** Prevent further leakage or spillage if safe to do so. Do not contaminate water.
- **Procedures for Spill/ Leak Clean-up:** Should not be released into the environment. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible.

Large spills: Dike far ahead of spill for later disposal. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

Small spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Following product recovery, flush area with water. Never return spills to original containers for re-use.

Dispose in compliance with Federal, State, and /or Local requirements.

7. HANDLING AND STORAGE

- **Handling:** Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight
- **Storage:** Keep away from heat, sparks, and open flame.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Personal Protective Equipment:

- **Eyes –** Not normally needed
- **Skin –** No special protective equipment required.
- **Inhalation –** No personal respiratory protective equipment normally required.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Liquid

Color: Water white

Odor: Fresh, Waxy

Odor Threshold: Not available.

Vapor Density: Not available.

Flash Point: 280°F (137.8°C) PMCC

Flammability Limit (Lower and Upper): Not available.

Evaporation Rate: Not available.

Decomposition Temperature: Not available.

Freezing Point: Not available.

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

Melting Point: 70°F (21.1°C)

Vapor Pressure @ 72°F (22°C): <10 mm Hg

pH: Not available

Solubility in Water @ 72°F (22°C): Negligible.

Specific Gravity @ 35/22°C: 0.82

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

Relative Density: Not available.

Auto-ignition Temperature: Not available.

10. STABILITY AND REACTIVITY

- **Chemical Stability:** Material is stable under normal conditions.
- **Materials to Avoid:** Strong oxidizing agents.
- **Hazardous Decomposition Products:** Does not decompose up to 400°F. Complete combustion forms carbon dioxide and water vapor. Partial combustion forms also carbon monoxide, soot, aldehydes and ketones.
- **Hazardous Polymerization:** Does not occur.

11. TOXICOLOGICAL INFORMATION

- **Toxicological Data:**

Product

Alcohols, C₁₀₋₁₆ (67762-41-8)

Constituents

1-Decanol (112-30-1)

1- Dodecanol (112-53-8)

Chronic Effect

Carcinogenicity

Skin Corrosion/Irritation

Epidemiology

Neurological Effects

Test Results

Acute Oral LD50 Rat: ≥ 20.5 g/kg of body weight: Based on compositionally similar product.

Test Results

Dermal Human: 4h significantly less irritating than 20% Sodium Lauryl Sulfate (positive control).

Dermal Rabbit: 83 mg severe eye irritation.

Dermal Rabbit: OECD test Guidelines 404. PII=3.33.

Acute Dermal LD50 Rabbit: 3560 mg/kg

Acute Oral LD50 Rat: Practically non-toxic by acute oral route.

Dermal Human: 75 mg 3D-I SEV

Acute Oral LD50 Rabbit: >36 ml/kg

Not available.

This product is not considered to be a carcinogen by IARC, ACGIH, NTP and OSHA.

Not available.

Not available.

Not available.

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12. ECOLOGICAL INFORMATION

- Ecotoxicological Data:**

Product

Alcohols, C₁₀₋₁₆ (67762-41-8)

Constituents

1-Decanol (112-30-1)

1-Dodecanol (112-53-8)

1-Dodecanol (112-53-8)

Test Results

LC50 Bluegill (*Lepomis Macrochirus*): 894.5 mg/l 96h

Alkyl Range: C₁₂₋₁₄

LC50 Fathead Minnow (*Pimephales Promelas*): 1.01 mg/l 96h

1-Dodecanol (112-53-8)

LC50 Trout Family (*Salmonidae*): ≥ 1 mg/l 96h

Tetradecanol (112-72-1)

Test Results

EC50 Water Flea (*Daphnia Magna*): 11 mg/l 24h

LC50 Bleak (*Alburnus Alburnus*): 7.2 mg/l 96h

LC50 Fathead Minnow (*Pimephales Promelas*): 2.4 mg/l 96h

LC50 Fathead Minnow (*Pimephales Promelas*): 2.3 mg/l 96h

EC10 Green Algae (*Scenedesmus Subspicatus*): 0.73 mg/l 72h (1)

EC50 Bacterium (*Pseudomonas Putida*): >100 (>LoS) *OCED SIDS

Test Results

EC50 Green Algae (*Scenedesmus Subspicatus*): 0.97 mg/l 72h (1)

EC50 Rotifer (*Brachionus Calyciflorus*): 0.72 mg/l 48h

Versteeg et al 1997.

EC50 Water Flea (*Daphnia Magna*): 48h 0.77 mg/l (n) *

EC50 Water Flea (*Daphnia Magna*): 48h 320 mg (>LoS)*OECD SIDS

LC50 Fathead Minnow (*Pimephales Promelas*): 96h

1.01 mg/L (m) *

LC50 Harpacticoid Copepod (*Nitocra Spinipes*): 0.9 mg/l 96h

Linden et al 1979.

LC50 Harpacticoid Copepod (*Nitocra Spinipes*): 21 mg/l 96h

Bengtsson et al 1984.

NOEC Green Algae (*Scenedesmus Subspicatus*): 0.3 mg/l 72h (1)

NOEC Water Flea (*Daphnia Magna*): 1 mg/l 21 day OECD SIDS

Ecotoxicity

Components of this product have been identified as having potential environmental concerns.

Environmental Effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

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.

15. ADDITIONAL REGULATORY INFORMATION

- Inventory Status:**

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

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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.