

## CO-1214

### SECTION 1: IDENTIFICATION

#### Product Identifier

**Product Form:** Mixture

**Product Name:** CO-1214

**Synonyms:** Lauryl/Myristyl Alcohol

#### Intended Use of the Product

##### Use Of The Substance/Mixture:

Production of alkyl amines, aluminum rolling lubricants, tertiary amines, cosmetics, ethoxylates, halides/mercaptans, polymerization stabilizers, and sulfation.

#### Name, Address, and Telephone of the Responsible Party

##### Company

Peter Cremer North America, LP

3117 Southside Ave.

Cincinnati, OH 45204

1-513-471-7200

1-877-901-7262 (Toll free)

#### Emergency Telephone Number

**Emergency Number:** CHEMTREC: 1-800-424-9300 US and Canada; 1-703-527-3887 for calls originating elsewhere

### SECTION 2: HAZARDS IDENTIFICATION

#### Classification of the Substance or Mixture

##### GHS-US/CA Classification

Skin Irrit. 2	H315
Eye Irrit. 2A	H319
Aquatic Acute 1	H400
Aquatic Chronic 1	H410

Full text of hazard classes and H-statements : see section 16

#### Label Elements

##### GHS-US/CA Labeling

##### Hazard Pictograms (GHS-US/CA)



##### Signal Word (GHS-US/CA)

##### Hazard Statements (GHS-US/CA)

- : Warning
- : H315 - Causes skin irritation.  
H319 - Causes serious eye irritation.  
H400 - Very toxic to aquatic life.  
H410 - Very toxic to aquatic life with long lasting effects.
- : P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves, protective clothing, and eye protection.  
P302+P352 - IF ON SKIN: Wash with plenty of water.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P321 - Specific treatment (see section 4 on this SDS).

##### Precautionary Statements (GHS-US/CA)

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## SECTION 2: HAZARDS IDENTIFICATION

P332+P313 - If skin irritation occurs: Get medical advice/attention.  
P337+P313 - If eye irritation persists: Get medical advice/attention.  
P362+P364 - Take off contaminated clothing and wash it before reuse.  
P391 - Collect spillage.  
P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

### Other Hazards

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

### Unknown Acute Toxicity (GHS-US/CA)

No data available

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### Mixture

Name	Synonyms	Product Identifier	% *	GHS Ingredient Classification
Alcohols, C10-16	Safol 23 alcohol / Saturated alcohol derived by reaction of olefin (derived from carbon monoxide and hydrogen by Fischer-Tropsch process) and carbon monoxide and hydrogen, which consists of alkanol(C5-38) including cycloalkyl(C5,6)alkanol(C6-8, including branched) as a major component / C10-16 Alcohols	(CAS-No.) 67762-41-8	100	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
1-Dodecanol	Lauryl alcohol / Dodecan-1-ol / n-Dodecanol / Dodecanol, 1- / n-Dodecyl alcohol / Dodecyl alcohol / n-Lauryl alcohol, primary / Dodecanol / Epal 12 / LAURYL ALCOHOL / EPAL 12 / 1-Docecanol	(CAS-No.) 112-53-8	> 65	Eye Irrit. 2A, H319 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
1-Decanol	Capric alcohol / Caprinic alcohol / Decan-1-ol / n-Decyl alcohol / Decyl alcohol / n-Decanol / DECYL ALCOHOL / 1-Decyl alcohol	(CAS-No.) 112-30-1	< 1	Flam. Liq. 4, H227 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of H-phrases: see section 16

\*Percentages are listed in weight by weight percentage (w/w%) for liquid and solid ingredients. Gas ingredients are listed in volume by volume percentage (v/v%).

## SECTION 4: FIRST AID MEASURES

### Description of First-aid Measures

**General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**Inhalation:** When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

**Skin Contact:** Remove contaminated clothing. Obtain medical attention if irritation develops or persists. Immediately drench affected area with water for at least 15 minutes.

**Eye Contact:** Immediately rinse with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists.

**Ingestion:** Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

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## SECTION 4: FIRST AID MEASURES

### **Most Important Symptoms and Effects Both Acute and Delayed**

**General:** Causes skin irritation. Causes serious eye irritation.

**Inhalation:** Prolonged exposure may cause irritation.

**Skin Contact:** Redness, pain, swelling, itching, burning, dryness, and dermatitis.

**Eye Contact:** Contact causes severe irritation with redness and swelling of the conjunctiva.

**Ingestion:** Ingestion may cause adverse effects.

**Chronic Symptoms:** Not available

### **Indication of Any Immediate Medical Attention and Special Treatment Needed**

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

## SECTION 5: FIRE-FIGHTING MEASURES

### **Extinguishing Media**

**Suitable Extinguishing Media:** Water spray, fog, carbon dioxide (CO<sub>2</sub>), alcohol-resistant foam, or dry chemical.

**Unsuitable Extinguishing Media:** Do not use a heavy water stream. Use of heavy stream of water may spread fire.

### **Special Hazards Arising From the Substance or Mixture**

**Fire Hazard:** Not considered flammable but may burn at high temperatures.

**Explosion Hazard:** Product is not explosive.

**Reactivity:** Hazardous reactions will not occur under normal conditions.

### **Advice for Firefighters**

**Precautionary Measures Fire:** Exercise caution when fighting any chemical fire.

**Firefighting Instructions:** Use water spray or fog for cooling exposed containers.

**Protection During Firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Hazardous Combustion Products:** Carbon oxides (CO, CO<sub>2</sub>).

**Other Information:** Do not allow run-off from fire fighting to enter drains or water courses.

**Reference to Other Sections:** Refer to Section 9 for flammability properties..

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### **Personal Precautions, Protective Equipment and Emergency Procedures**

**General Measures:** Avoid breathing (vapor, mist, spray). Avoid all contact with skin, eyes, or clothing.

#### **For Non-Emergency Personnel**

**Protective Equipment:** Use appropriate personal protective equipment (PPE).

**Emergency Procedures:** Evacuate unnecessary personnel.

#### **For Emergency Personnel**

**Protective Equipment:** Equip cleanup crew with proper protection.

**Emergency Procedures:** Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

### **Environmental Precautions**

Prevent entry to sewers and public waters. Avoid release to the environment. Collect spillage.

### **Methods and Materials for Containment and Cleaning Up**

**For Containment:** Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

**Methods for Cleaning Up:** Clean up spills immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

### **Reference to Other Sections**

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

## SECTION 7: HANDLING AND STORAGE

### **Precautions for Safe Handling**

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures.

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## SECTION 7: HANDLING AND STORAGE

### Conditions for Safe Storage, Including Any Incompatibilities

**Technical Measures:** Comply with applicable regulations.

**Storage Conditions:** Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

**Incompatible Materials:** Strong acids, strong bases, strong oxidizers.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), OSHA (PEL), or Canadian provincial governments.

### Exposure Controls

**Appropriate Engineering Controls:** Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

**Personal Protective Equipment:** Gloves. Protective clothing. Protective goggles.



**Materials for Protective Clothing:** Chemically resistant materials and fabrics.

**Hand Protection:** Wear protective gloves.

**Eye and Face Protection:** Chemical safety goggles.

**Skin and Body Protection:** Wear suitable protective clothing.

**Respiratory Protection:** If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

**Other Information:** When using, do not eat, drink or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on Basic Physical and Chemical Properties

Physical State	: Liquid
Appearance	: Water white
Odor	: Fresh, Waxy
Odor Threshold	: Not available
pH	: Not available
Evaporation Rate	: Not available
Melting Point	: 18 - 22 °C (64.4 - 71.6 °F)
Freezing Point	: Not available
Boiling Point	: > 176.7 °C @760mm Hg (101.3kPa) (350.06 °F)
Flash Point	: 143.3 °C (289.94 °F) PMCC
Auto-ignition Temperature	: Not available
Decomposition Temperature	: Not available
Flammability (solid, gas)	: Not applicable
Lower Flammable Limit	: Not available
Upper Flammable Limit	: Not available
Vapor Pressure	: < 10 mm Hg 22°C (72°F)
Relative Vapor Density at 20°C	: Not available

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Relative Density	: Not available
Specific Gravity	: 0.82 g/l @35/22°C (95/71.6°F)
Solubility	: Water: Negligible @22°C (72°F)
Partition Coefficient: N-Octanol/Water	: Not available
Viscosity	: Not available

## SECTION 10: STABILITY AND REACTIVITY

**Reactivity:** Hazardous reactions will not occur under normal conditions.  
**Chemical Stability:** Stable under recommended handling and storage conditions (see section 7).  
**Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.  
**Conditions to Avoid:** Direct sunlight, extremely high or low temperatures, and incompatible materials.  
**Incompatible Materials:** Strong acids, strong bases, strong oxidizers.  
**Hazardous Decomposition Products:** Does not decompose.

## SECTION 11: TOXICOLOGICAL INFORMATION

### Information on Toxicological Effects - Product

**Acute Toxicity (Oral):** Not classified  
**Acute Toxicity (Dermal):** Not classified  
**Acute Toxicity (Inhalation):** Not classified  
**LD50 and LC50 Data:** Not available

**Skin Corrosion/Irritation:** Causes skin irritation.  
**Eye Damage/Irritation:** Causes serious eye irritation.  
**Respiratory or Skin Sensitization:** Not classified  
**Germ Cell Mutagenicity:** Not classified  
**Carcinogenicity:** Not classified  
**Specific Target Organ Toxicity (Repeated Exposure):** Not classified  
**Reproductive Toxicity:** Not classified  
**Specific Target Organ Toxicity (Single Exposure):** Not classified  
**Aspiration Hazard:** Not classified  
**Symptoms/Injuries After Inhalation:** Prolonged exposure may cause irritation.  
**Symptoms/Injuries After Skin Contact:** Redness, pain, swelling, itching, burning, dryness, and dermatitis.  
**Symptoms/Injuries After Eye Contact:** Contact causes severe irritation with redness and swelling of the conjunctiva.  
**Symptoms/Injuries After Ingestion:** Ingestion may cause adverse effects.

### Information on Toxicological Effects - Ingredient(s)

**LD50 and LC50 Data:**

<b>1-Dodecanol (112-53-8)</b>	
LD50 Oral Rat	> 12800 mg/kg
<b>1-Decanol (112-30-1)</b>	
LD50 Oral Rat	4720 mg/kg
LD50 Dermal Rabbit	3560 mg/kg
<b>Alcohols, C10-16 (67762-41-8)</b>	
LD50 Oral Rat	> 2000 mg/kg
LD50 Dermal Rabbit	> 11300 mg/kg

## SECTION 12: ECOLOGICAL INFORMATION

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## SECTION 12: ECOLOGICAL INFORMATION

### Toxicity

**Ecology - General:** Very toxic to aquatic life with long lasting effects.

1-Dodecanol (112-53-8)	
LC50 Fish 1	1.01 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	320 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 Fish 2	0.1855 mg/l (Exposure time: 96 h - Species: Pimephales promelas)
ErC50 (algae)	0.97 mg/l
NOEC Chronic Crustacea	0.014 mg/l (Exposure Time: 21 d - Species: Daphnia magna)

1-Decanol (112-30-1)	
LC50 Fish 1	2.2 - 2.5 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	3 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 Fish 2	4.12 - 6.2 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
ErC50 (algae)	0.56 mg/l

Alcohols, C10-16 (67762-41-8)	
EC50 Daphnia 1	0.23 mg/l
ErC50 (algae)	0.1 mg/l
NOEC Chronic Algae	0.058 mg/l

### Persistence and Degradability

CO-1214	
Persistence and Degradability	May cause long-term adverse effects in the environment.

### Bioaccumulative Potential

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Bioaccumulative Potential	Not established.

1-Dodecanol (112-53-8)	
Log Pow	5.36

1-Decanol (112-30-1)	
Log Pow	4.11

**Mobility in Soil** Not available

### Other Adverse Effects

**Other Information:** Avoid release to the environment.

## SECTION 13: DISPOSAL CONSIDERATIONS

### Waste treatment methods

**Waste Disposal Recommendations:** Dispose of contents/container in accordance with local, regional, national, and international regulations

**Additional Information:** Container may remain hazardous when empty. Continue to observe all precautions.

**Ecology - Waste Materials:** Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

## SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

### In Accordance with DOT

**Proper Shipping Name** : ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S.(Alcohols, C10-16)  
**Hazard Class** : 9



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## SECTION 14: TRANSPORT INFORMATION

**Identification Number** : UN3082  
**Label Codes** : 9  
**Packing Group** : III  
**Marine Pollutant** : Marine pollutant  
**ERG Number** : 171

### In Accordance with IMDG

**Proper Shipping Name** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Alcohols, C10-16)  
**Hazard Class** : 9  
**Identification Number** : UN3082  
**Label Codes** : 9  
**Packing Group** : III  
**EmS-No. (Fire)** : F-A  
**EmS-No. (Spillage)** : S-F  
**Marine pollutant** : Marine pollutant



### In Accordance with IATA

**Proper Shipping Name** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Alcohols, C10-16)  
**Hazard Class** : 9  
**Identification Number** : UN3082  
**Label Codes** : 9  
**SDS\_NA\_14.\_PACK\_GROUP\$Text** : III  
 »  
**ERG Code (IATA)** : 9L



### In Accordance with TDG

**Proper Shipping Name** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Alcohols, C10-16)  
**Hazard Class** : 9  
**Identification Number** : UN3082  
**Label Codes** : 9  
**Packing Group** : III  
**Marine Pollutant (TDG)** : Marine pollutant



## SECTION 15: REGULATORY INFORMATION

### US Federal Regulations

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<b>SARA Section 311/312 Hazard Classes</b>	Health hazard - Skin corrosion or Irritation Health hazard - Serious eye damage or eye irritation
<b>1-Dodecanol (112-53-8)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>1-Decanol (112-30-1)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>Alcohols, C10-16 (67762-41-8)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

### US State Regulations

<b>1-Dodecanol (112-53-8)</b>	
U.S. - Texas - Effects Screening Levels - Long Term U.S. - Texas - Effects Screening Levels - Short Term	
<b>1-Decanol (112-30-1)</b>	
RTK - U.S. - Pennsylvania - RTK (Right to Know) List U.S. - Texas - Effects Screening Levels - Long Term U.S. - Texas - Effects Screening Levels - Short Term	

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## SECTION 15: REGULATORY INFORMATION

### Alcohols, C10-16 (67762-41-8)

U.S. - Texas - Effects Screening Levels - Long Term

U.S. - Texas - Effects Screening Levels - Short Term

### Canadian Regulations

#### 1-Dodecanol (112-53-8)

Listed on the Canadian DSL (Domestic Substances List)

#### 1-Decanol (112-30-1)

Listed on the Canadian DSL (Domestic Substances List)

### Alcohols, C10-16 (67762-41-8)

Listed on the Canadian DSL (Domestic Substances List)

## SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

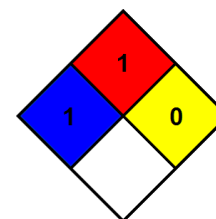
**Date of Preparation or Latest Revision** : 03/05/2019

**Other Information** : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 and Canada's Hazardous Products Regulations (HPR) SOR/2015-17.

### GHS Full Text Phrases:

Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Flam. Liq. 4	Flammable liquids Category 4
Skin Irrit. 2	Skin corrosion/irritation Category 2
H227	Combustible liquid
H315	Causes skin irritation
H319	Causes serious eye irritation
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

- NFPA Health Hazard** : 1 - Materials that, under emergency conditions, can cause significant irritation.
- NFPA Fire Hazard** : 1 - Materials that must be preheated before ignition can occur.
- NFPA Reactivity Hazard** : 0 - Material that in themselves are normally stable, even under fire conditions.



**IMPORTANT:** The information on specifications 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.

Peter Cremer NA GHS SDS 2015