

AL-814 Alcohol

SECTION 1: IDENTIFICATION

Product Identifier

Product Form: Mixture

Product Name: AL-814 Alcohol

Intended Use of the Product

Use Of The Substance/Mixture:

Cosmetics, personal care, ethoxylates, sulfation, amines, lubricants, chemical intermediates, cleaners, metal working, plasticizers.

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

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)

: Warning

Hazard Statements (GHS-US/CA)

: H319 - Causes serious eye irritation.

H400 - Very toxic to aquatic life.

H410 - Very toxic to aquatic life with long lasting effects.

Precautionary Statements (GHS-US/CA)

: 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.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 - If eye irritation persists: Get medical advice/attention.

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.

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SECTION 2: HAZARDS IDENTIFICATION

Unknown Acute Toxicity (GHS-US/CA)

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

Name	Synonyms	Product Identifier	% *	GHS Ingredient Classification
1-Decanol	Capric alcohol / Caprinic alcohol / Decan-1-ol / n-Decyl alcohol / Decyl alcohol / n-Decanol / DECYL ALCOHOL / 1-Decyl alcohol / Decanol	(CAS-No.) 112-30-1	34 – 41	Flam. Liq. 4, H227 Eye Irrit. 2A, H319 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
1-Octanol	Caprylic alcohol / 1-Hydroxyoctane / Octan-1-ol / n-Octanol / n-Octyl alcohol / Octyl alcohol, 1- / CAPRYLIC ALCOHOL / 1-Octyl alcohol / Octyl alcohol / Rosin, maleated polymer with formaldehyde, pentaerythritol and (1,1,3,3-tetramethylbutyl)phenol / CAPRYLYL ALCOHOL	(CAS-No.) 111-87-5	26 – 32	Flam. Liq. 4, H227 Eye Irrit. 2A, H319 Aquatic Acute 2, H401 Aquatic Chronic 3, H412
1-Dodecanol	Lauryl alcohol / Dodecan-1-ol / n-Dodecanol / Dodecanol, 1- / n-Dodecyl alcohol / Dodecyl alcohol / Dodecanol / Epal 12 / LAURYL ALCOHOL	(CAS-No.) 112-53-8	21 – 25	Eye Irrit. 2A, H319 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
1-Tetradecanol	Myristic alcohol / Myristyl alcohol / Tetradecan-1-ol / n-Tetradecanol-1 / n-Tetradecyl alcohol / Surfoll 14 / MYRISTYL ALCOHOL / Tetradecanol	(CAS-No.) 112-72-1	6 – 10	Eye Irrit. 2A, H319 Aquatic Chronic 1, H410 Comb. Dust
1-Hexadecanol	Cetyl alcohol / Hexadecan-1-ol / Hexadecyl alcohol / Cetanol / Alfol (epal) 16 alcohol / CETYL ALCOHOL / Alfol (EPAL) 16 alcohol / Palmityl alcohol / cetyl alcohol	(CAS-No.) 36653-82-4	≤ 2	Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Comb. Dust

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

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.

Most Important Symptoms and Effects Both Acute and Delayed

General: Causes serious eye irritation.

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SECTION 4: FIRST AID MEASURES

Inhalation: Prolonged exposure may cause irritation.

Skin Contact: Prolonged exposure may cause skin irritation.

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

Ingestion: Ingestion may cause adverse effects.

Chronic Symptoms: None expected under normal conditions of use.

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 (CO₂), 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, CO₂).

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

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.

Other information: Dispose of materials or solid residues at an authorized site.

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.

Conditions for Safe Storage, Including Any Incompatibilities

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SECTION 7: HANDLING AND STORAGE

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.

1-Octanol (111-87-5)

USA AIHA	WEEL TWA [ppm]	50 ppm
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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	: Colorless
Odor	: Characteristic
Odor Threshold	: Not available
pH	: Not available
Evaporation Rate	: Not available
Melting Point	: Liquid at room temperature 25 °C (77 °F)

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Freezing Point	: -11 °C (12.2 °F)
Boiling Point	: Not available
Flash Point	: 103 °C (217.4 °F)
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	: Not available
Relative Vapor Density at 20°C	: Not available
Relative Density	: Not available
Density	: 6.88 lb/gal
Specific Gravity	: Not available
Solubility	: Not available
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: None expected under normal conditions of use.

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: Not classified

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: Prolonged exposure may cause skin irritation.

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.

Chronic Symptoms: None expected under normal conditions of use.

Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data:

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SECTION 11: TOXICOLOGICAL INFORMATION

1-Octanol (111-87-5)

LD50 Oral Rat	> 3200 mg/kg
LD50 Dermal Rabbit	> 5 g/kg

1-Decanol (112-30-1)

LD50 Oral Rat	4720 mg/kg
LD50 Dermal Rabbit	3560 mg/kg

1-Dodecanol (112-53-8)

LD50 Oral Rat	> 12800 mg/kg
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1-Tetradecanol (112-72-1)

LD50 Oral Rat	> 20 g/kg
LD50 Dermal Rabbit	8 g/kg

1-Hexadecanol (36653-82-4)

LD50 Oral Rat	> 5000 mg/kg
LD50 Dermal Rabbit	> 5000 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

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

1-Octanol (111-87-5)

LC50 Fish 1	11.4 – 12.9 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	4.17 mg/l
LC50 Fish 2	17.68 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
NOEC Chronic Fish	0.75 mg/l

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

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-Tetradecanol (112-72-1)

LC50 Fish 1	> 10000 mg/l (Exposure time: 96 h - Species: Brachydanio rerio)
NOEC Chronic Crustacea	0.0016 mg/l

1-Hexadecanol (36653-82-4)

LC50 Fish 1	> 0.4 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [semi-static])
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Persistence and Degradability

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Persistence and Degradability	May cause long-term adverse effects in the environment.
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Bioaccumulative Potential

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SECTION 12: ECOLOGICAL INFORMATION

Bioaccumulative Potential	Not established.
1-Octanol (111-87-5)	
Partition coefficient n-octanol/water (Log Pow)	3.15
1-Decanol (112-30-1)	
Partition coefficient n-octanol/water (Log Pow)	4.11
1-Dodecanol (112-53-8)	
Partition coefficient n-octanol/water (Log Pow)	5.36
1-Tetradecanol (112-72-1)	
Partition coefficient n-octanol/water (Log Pow)	6.03
1-Hexadecanol (36653-82-4)	
BCF Other Aquatic Organisms 1	56
Partition coefficient n-octanol/water (Log Pow)	6.65

Mobility in Soil

1-Hexadecanol (36653-82-4)	
Mobility In Soil	29.9 % (Mass Distribution by Environmental Compartment via Fugacity Level III Model)

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, territorial, provincial, 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.(CONTAINS 1-DECANOL, 1-DODECANOL)	
Hazard Class	: 9	
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.(CONTAINS 1-DECANOL, 1-DODECANOL)	
Hazard Class	: 9	
Identification Number	: UN3082	

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SECTION 14: TRANSPORT INFORMATION

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. (CONTAINS 1-DECANOL, 1-DODECANOL)

Hazard Class : 9
Identification Number : UN3082
Label Codes : 9



SDS_NA_14._PACK_GROUP\$Text : III
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ERG Code (IATA) : 9L

In Accordance with TDG

Proper Shipping Name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.(CONTAINS 1-DECANOL, 1-DODECANOL)

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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SARA Section 311/312 Hazard Classes	Health hazard - Serious eye damage or eye irritation
1-Octanol (111-87-5)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
1-Decanol (112-30-1)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
1-Dodecanol (112-53-8)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
1-Tetradecanol (112-72-1)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
1-Hexadecanol (36653-82-4)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

US State Regulations

1-Octanol (111-87-5)	
U.S. - Minnesota - Hazardous Substance List 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	
1-Decanol (112-30-1)	
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	
1-Dodecanol (112-53-8)	

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SECTION 15: REGULATORY INFORMATION

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

1-Tetradecanol (112-72-1)

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

1-Hexadecanol (36653-82-4)

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

Canadian Regulations

1-Octanol (111-87-5)

Listed on the Canadian DSL (Domestic Substances List)

1-Decanol (112-30-1)

Listed on the Canadian DSL (Domestic Substances List)

1-Dodecanol (112-53-8)

Listed on the Canadian DSL (Domestic Substances List)

1-Tetradecanol (112-72-1)

Listed on the Canadian DSL (Domestic Substances List)

1-Hexadecanol (36653-82-4)

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 : 10/13/2020

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 Acute 2	Hazardous to the aquatic environment - Acute Hazard Category 2
Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard Category 3
Comb. Dust	Combustible Dust
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Flam. Liq. 4	Flammable liquids Category 4
H227	Combustible liquid
H319	Causes serious eye irritation
H400	Very toxic to aquatic life
H401	Toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

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

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

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