

## AL-1695 Cetyl Alcohol

### SECTION 1: IDENTIFICATION

#### Product Identifier

**Product Form:** Mixture

**Product Name:** AL-1695 Cetyl Alcohol

**CAS-No.:** 36653-82-4

**Synonyms:** Cetyl Alcohol

#### Intended Use of the Product

**Use Of The Substance/Mixture:**

No Use is Specified.

#### 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**

Aquatic Chronic 2

H411

Comb. Dust

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)** :

May form combustible dust concentrations in air.  
H411 - Toxic to aquatic life with long lasting effects.

**Precautionary Statements (GHS-US/CA)** :

P273 - Avoid release to the environment.  
P391 - Collect spillage.  
P501 - Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

**Supplemental Information** :

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Proper grounding procedures to avoid static electricity should be followed. Prevent dust accumulation (to minimize explosion hazard). Avoid generating dust.

#### 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	Product Identifier	% *	GHS Ingredient Classification
1-Hexadecanol	(CAS-No.) 36653-82-4	> 95	Aquatic Chronic 4, H413 Comb. Dust
1-Octadecanol	(CAS-No.) 112-92-5	< 5	Comb. Dust
1-Tetradecanol	(CAS-No.) 112-72-1	< 5	Eye Irrit. 2A, H319 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:** Using proper respiratory protection, move the exposed person to fresh air at once. Encourage exposed person to cough, spit out, and blow nose to remove dust. Immediately call a poison center, physician, or emergency medical service.

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

**Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

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

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

**General:** Not expected to present a significant hazard under anticipated conditions of normal use.

**Inhalation:** Dust may be harmful or cause irritation.

**Skin Contact:** Prolonged exposure may cause skin irritation.

**Eye Contact:** May cause slight irritation to eyes.

**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:** Use extinguishing media appropriate for surrounding fire.

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

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## SECTION 5: FIRE-FIGHTING MEASURES

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

**Fire Hazard:** Combustible Dust.

**Explosion Hazard:** Dust explosion hazard in air.

**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>). Aldehydes. Ketones.

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

**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 prolonged contact with eyes, skin and clothing. Avoid breathing dust. Avoid generating dust. Remove ignition sources. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.

#### **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 solid spills with appropriate barriers and prevent migration and entry into sewers or streams. Avoid generation of dust during clean-up of spills.

**Methods for Cleaning Up:** Clean up spills immediately and dispose of waste safely. Contact competent authorities after a spill. Use explosion proof vacuum during cleanup, with appropriate filter. Do not mix with other materials. Vacuum clean-up is preferred. If sweeping is required use a dust suppressant. Use only non-sparking tools.

### **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**

**Additional Hazards When Processed:** Accumulation and dispersion of dust with an ignition source can cause a combustible dust explosion. Keep dust levels to a minimum and follow applicable regulations.

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

### **Conditions for Safe Storage, Including Any Incompatibilities**

**Technical Measures:** Comply with applicable regulations. Avoid creating or spreading dust. Use explosion-proof electrical, ventilating, lighting equipment. Proper grounding procedures to avoid static electricity should be followed.

**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.

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

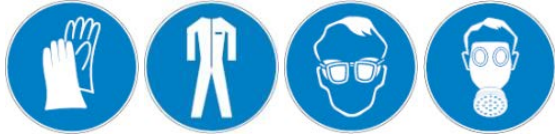
### Control Parameters

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. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof equipment. Use local exhaust or general dilution ventilation or other suppression methods to maintain dust levels below exposure limits. Power equipment should be equipped with proper dust collection devices. It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment.

**Personal Protective Equipment:** Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection.



**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:** When effective engineering controls are not feasible, appropriate respiratory protection shall be used.

Personal Protective Equipment must be selected by trained personnel, taking into account the type of hazardous materials it should protect from, the nature of the work, the expected exposure, and the facial characteristics of the wearers; proper fit is of paramount importance. Ensure the respiratory protection program meets the requirements of OSHA 29 CFR 1910.134.

**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	: Solid
Appearance	: Waxy White Flake, Powder
Odor	: Mild, Soapy
Odor Threshold	: Not available
pH	: Not available
Evaporation Rate	: Not available
Melting Point	: 116.6 - 122 °F (47 - 50 °C)
Freezing Point	: Not available
Boiling Point	: > 248.89 °C (> 480 °F) @ 760 mmHg (101.3 kPa)
Flash Point	: 160 °C (320 °F) PMCC
Auto-ignition Temperature	: Not available
Decomposition Temperature	: Not available
Flammability (solid, gas)	: Not available
Lower Flammable Limit	: Not available
Upper Flammable Limit	: Not available
Vapor Pressure	: <= 1 mm Hg @ 22 °C (72 °F)
Relative Vapor Density at 20°C	: Not available
Relative Density	: Not available
Specific Gravity	: 0.81 @ 55/25°C

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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. Sparks, heat, open flame and other sources of ignition. Dust accumulation (to minimize explosion hazard).  
**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:** Not classified  
**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:** Dust may be harmful or cause irritation.  
**Symptoms/Injuries After Skin Contact:** Prolonged exposure may cause skin irritation.  
**Symptoms/Injuries After Eye Contact:** May cause slight irritation to eyes.  
**Symptoms/Injuries After Ingestion:** Ingestion may cause adverse effects.  
**Chronic Symptoms:** None expected under normal conditions of use.

## SECTION 12: ECOLOGICAL INFORMATION

### Toxicity

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

1-Octadecanol (112-92-5)	
LC50 Fish 1	> 10000 mg/l (Exposure time: 96 h - Species: Brachydanio rerio)
EC50 Daphnia 1	1666 mg/l (Exposure time: 48 h - 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

### Persistence and Degradability

AL-1695 Cetyl Alcohol (36653-82-4)

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## SECTION 12: ECOLOGICAL INFORMATION

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

### Bioaccumulative Potential

#### AL-1695 Cetyl Alcohol (36653-82-4)

**Bioaccumulative Potential** Not established.

#### 1-Hexadecanol (36653-82-4)

**BCF Other Aquatic Organisms 1** 56

**Log Pow** 6.65

#### 1-Octadecanol (112-92-5)

**BCF Other Aquatic Organisms 1** 1000

**Log Pow** 7.19

#### 1-Tetradecanol (112-72-1)

**Log Pow** 6.03

### Mobility in Soil

#### 1-Hexadecanol (36653-82-4)

**Mobility In Soil** 29.9 % (Mass Distribution by Environmental Compartment via Fugacity Level III Model)

#### 1-Octadecanol (112-92-5)

**Mobility In Soil** 28.7 % (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:** Destroy and dispose of in accordance with applicable local, state, provincial, territorial, federal and international regulations.

## 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 SUBSTANCE, SOLID, N.O.S., (1-Tetradecanol)  
**Hazard Class** : 9  
**Identification Number** : UN3077  
**Label Codes** : 9  
**Packing Group** : III  
**Marine Pollutant** : Marine pollutant  
**ERG Number** : 171



### In Accordance with IMDG

**Proper Shipping Name** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., (1-Tetradecanol)  
**Hazard Class** : 9  
**Identification Number** : UN3077  
**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, SOLID, N.O.S., (1-Tetradecanol)

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## SECTION 14: TRANSPORT INFORMATION

Hazard Class : 9  
Identification Number : UN3077  
Label Codes : 9  
Packing Group : III  
ERG Code (IATA) : 9L



### In Accordance with TDG

Proper Shipping Name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S., (1-Tetradecanol)  
Hazard Class : 9  
Identification Number : UN3077  
Label Codes : 9  
Packing Group : III  
Marine Pollutant (TDG) : Marine pollutant



## SECTION 15: REGULATORY INFORMATION

### US Federal Regulations

<b>AL-1695 Cetyl Alcohol (36653-82-4)</b>	
SARA Section 311/312 Hazard Classes	Physical hazard - Combustible dust
<b>1-Hexadecanol (36653-82-4)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>1-Octadecanol (112-92-5)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>1-Tetradecanol (112-72-1)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

### US State Regulations

<b>1-Hexadecanol (36653-82-4)</b>	
U.S. - Texas - Effects Screening Levels - Long Term	
U.S. - Texas - Effects Screening Levels - Short Term	
<b>1-Octadecanol (112-92-5)</b>	
U.S. - Texas - Effects Screening Levels - Long Term	
U.S. - Texas - Effects Screening Levels - Short Term	
<b>1-Tetradecanol (112-72-1)</b>	
U.S. - Texas - Effects Screening Levels - Long Term	
U.S. - Texas - Effects Screening Levels - Short Term	

### Canadian Regulations

<b>1-Hexadecanol (36653-82-4)</b>	
Listed on the Canadian DSL (Domestic Substances List)	
<b>1-Octadecanol (112-92-5)</b>	
Listed on the Canadian DSL (Domestic Substances List)	
<b>1-Tetradecanol (112-72-1)</b>	
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 : 01/18/2019  
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.

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

### GHS Full Text Phrases:

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 4	Hazardous to the aquatic environment - Chronic Hazard Category 4
Comb. Dust	Combustible Dust
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
H319	Causes serious eye irritation
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
H413	May cause long lasting harmful effects to aquatic life

### NFPA Health Hazard

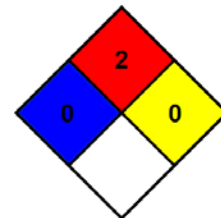
: 0 - Materials that, under emergency conditions, would offer no hazard beyond that of ordinary combustible materials.

### NFPA Fire Hazard

: 2 - Materials that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur.

### NFPA Reactivity Hazard

: 0 - Material that in themselves are normally stable, even under fire conditions.



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Peter Cremer NA GHS SDS 2015