

AL-1695 Cetyl Alcohol

SECTION 1: IDENTIFICATION

Product Identifier**Product Form:** Substance**Product Name:** AL-1695 Cetyl Alcohol**CAS No:** 36653-82-4**Synonyms:** Cetyl Alcohol**Intended Use of the Product****Use of the Substance/Mixture:** Not available**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**Classification (GHS-US)** Not classified**Label Elements****GHS-US Labeling** No labeling applicable**Other Hazards**

Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions. The dried or powdered form of this substance may form combustible dust concentrations in air.

Unknown Acute Toxicity (GHS-US) No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Name : AL-1695 Cetyl Alcohol

CAS No : 36653-82-4

Name	Product Identifier	% (w/w)	Classification (GHS-US)
1-Hexadecanol	(CAS No) 36653-82-4	> 95	Not classified

Impurities include < 5% 1-Octadecanol (CAS No) 112-92-5 and 1-Tetradecanol (CAS No) 112-72-1.

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. If burned by hot product, cool affected area immediately with cool water. Do not attempt to remove solidified material from skin. Seek medical attention immediately.**Inhalation:** When symptoms occur: go into open air and ventilate suspected area.**Skin Contact:** Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation persists.

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SECTION 4: FIRST AID MEASURES

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

Ingestion: Rinse mouth. Do NOT induce vomiting.

Most Important Symptoms and Effects Both Acute and Delayed

General: During processing, inhalation of fumes may cause dizziness and/or irritation to the eyes, nose, and throat. Hot molten product will cause thermal burns to the skin.

Inhalation: May cause respiratory irritation.

Skin Contact: Slightly irritating to the skin.

Eye Contact: Slightly irritating to eyes.

Ingestion: Ingestion is likely to be harmful or have adverse effects.

Chronic Symptoms: None known.

Indication of Any Immediate Medical Attention and Special Treatment Needed

If medical advice is needed, have product container or label at hand.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Water spray, carbon dioxide, foam, dry chemical.

Unsuitable Extinguishing Media: Use of heavy stream of water may spread fire.

Special Hazards Arising From the Substance or Mixture

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

Explosion Hazard: Dust clouds can be explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

Advice for Firefighters

Firefighting Instructions: Exercise caution when fighting any chemical fire. 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), aldehydes, ketones.

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 unnecessary exposure.

For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Eliminate ignition sources. Ventilate area.

Environmental Precautions

Prevent entry to sewers and public waters.

Methods and Material for Containment and Cleaning Up

For Containment: Absorb and/or contain spill with inert material.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Carefully shovel or sweep up spilled material and place in suitable container. Avoid generation of dust during clean-up of spills.

Reference to Other Sections

See Section 8, Exposure Controls and Personal Protection. Concerning disposal elimination after cleaning, see section 13.

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SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Additional Hazards When Processed: Avoid contact with skin, eyes and clothing. Keep away from heat, sparks, open flames, hot surfaces. No smoking. Use care during processing to minimize generation of dust.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Good housekeeping is needed during storage, transfer, handling, and use of this material to avoid excessive dust accumulation.

Storage Conditions: Keep container closed when not in use. Keep only in the original container in a cool, well ventilated place away from ignition sources.

Incompatible Materials: 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), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

Exposure Controls

Appropriate Engineering Controls: Provide adequate general and local exhaust ventilation. . Prevent dust accumulation (to minimize explosion hazard). Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

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



Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear chemically resistant protective gloves.

Eye Protection: Chemical goggles or safety glasses.

Skin and Body Protection: Wash contaminated clothing before reuse.

Respiratory Protection: Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.

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	: > 480 °F (248.9 °C) @ 760 mmHg (101.3 kPa)
Flash Point	: 320 °F (160 °C) PMCC

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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 @ 72 °F (22 °C)
Relative Vapor Density at 20 °C	: Not available
Relative Density	: Not available
Specific Gravity	: 0.81 @ 55/25°C
Solubility	: Not available
Partition Coefficient: N-Octanol/Water	: Not available
Viscosity	: Not available
Explosion Data – Sensitivity to Mechanical Impact	: Not expected to present an explosion hazard due to mechanical impact.
Explosion Data – Sensitivity to Static Discharge	: Dust cloud in combination with the static electricity can be very explosive

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:	Avoid creating or spreading dust. Extremely high or low temperatures.
Incompatible Materials:	Strong oxidizers.
Hazardous Decomposition Products:	Thermal decomposition generates: Carbon oxides (CO, CO ₂), aldehydes, ketones, soot.

SECTION 11 - TOXICOLOGICAL INFORMATION

Information on Toxicological Effects - Product

Acute Toxicity:	Not classified
LD50 and LC50 Data:	Not available
Skin Corrosion/Irritation:	Not classified
Serious Eye Damage/Irritation:	Not classified
Respiratory or Skin Sensitization:	Not classified
Germ Cell Mutagenicity:	Not classified
Teratogenicity:	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:	May cause respiratory irritation.
Symptoms/Injuries After Skin Contact:	Slightly irritating to the skin.
Symptoms/Injuries After Eye Contact:	Slightly irritating to eyes.
Symptoms/Injuries After Ingestion:	Ingestion is likely to be harmful or have adverse effects.
Chronic Symptoms:	None known.

Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data:

1-Hexadecanol (36653-82-4)	
LD50 Oral Rat	> 5000 mg/kg

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SECTION 11 - TOXICOLOGICAL INFORMATION

LD50 Dermal Rabbit	> 5000 mg/kg
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1-Octadecanol (112-92-5)

LD50 Oral Rat	> 5000 mg/kg
LD50 Dermal Rabbit	8000 mg/kg
ATE US (dermal)	8,000.00 mg/kg body weight

1-Tetradecanol (112-72-1)

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

SECTION 12: ECOLOGICAL INFORMATION

Toxicity Not classified

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)
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Persistence and Degradability

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

Persistence and Degradability	Not established.
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Bioaccumulative Potential

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

Bioaccumulative Potential	Not established.
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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
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Mobility in Soil

1-Hexadecanol (36653-82-4)

Mobility In Soil	29.9 % (Mass Distribution by Environmental Compartment via Fugacity Level III Model)
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1-Octadecanol (112-92-5)

Mobility In Soil	28.7 % (Mass Distribution by Environmental Compartment via Fugacity Level III Model)
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Other Adverse Effects

Other Information: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

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SECTION 13: DISPOSAL CONSIDERATIONS

Additional Information: Container remains hazardous when empty. Continue to observe all precautions.

Ecology – Waste Materials: Avoid release to the environment.

SECTION 14: TRANSPORT INFORMATION

In Accordance with DOT Not regulated for transport

In Accordance with IMDG Not regulated for transport

In Accordance with IATA Not regulated for transport

In Accordance with TDG Not regulated for transport

SECTION 15: REGULATORY INFORMATION


US Federal Regulations

1-Hexadecanol (36653-82-4)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
1-Octadecanol (112-92-5)
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

US State Regulations

1-Hexadecanol (36653-82-4)
U.S. - Texas - Effects Screening Levels - Long Term U.S. - Texas - Effects Screening Levels - Short Term
1-Octadecanol (112-92-5)
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

Canadian Regulations

AL-1695 Cetyl Alcohol (36653-82-4)	
WHMIS Classification	Class D Division 2 Subdivision B - Toxic material causing other toxic effects
	
1-Hexadecanol (36653-82-4)	
Listed on the Canadian DSL (Domestic Substances List)	
WHMIS Classification	Uncontrolled product according to WHMIS classification criteria
1-Octadecanol (112-92-5)	
Listed on the Canadian DSL (Domestic Substances List)	
WHMIS Classification	Uncontrolled product according to WHMIS classification criteria
1-Tetradecanol (112-72-1)	
Listed on the Canadian DSL (Domestic Substances List)	
Listed on the Canadian IDL (Ingredient Disclosure List)	
IDL Concentration 1 %	

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SECTION 15: REGULATORY INFORMATION

WHMIS Classification	Class D Division 2 Subdivision B - Toxic material causing other toxic effects
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This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

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

Revision Date : 06/04/2015
Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Party Responsible for the Preparation of This Document

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Peter Cremer NA GHS SDS