

# SAFETY DATA SHEET

**AL-1895**

## SECTION 1: IDENTIFICATION

### Product Identifier

**Product Form:** Substance

**Product Name:** AL-1895

**CAS No:** 112-92-5

**Synonyms:** Stearyl Alcohol

### Intended Use of the Product

**Use of the Substance/Mixture:**

Raw material for manufacturing

### 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**

Not applicable

### Other Hazards

No hazards resulting from the material as supplied.

**Unknown Acute Toxicity (GHS-US)** No data available

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### Substances

Name : AL-1895

CAS No : 112-92-5

Name	Product Identifier	% (w/w)	Classification (GHS-US)
1-Octadecanol	(CAS No) 112-92-5	> 95	Not classified
1-Hexadecanol	(CAS No) 36653-82-4	< 2.5	Not classified
1-Eicosanol	(CAS No) 629-96-9	< 1.4	Not classified

## 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 if possible).

**Inhalation:** If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical

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## SECTION 4: FIRST AID MEASURES

advice.

**Skin Contact:** Remove contaminated clothing. Gently wash with plenty of soap and water followed by rinsing with water for at least 15 minutes. Call a POISON CENTER or doctor/physician if you feel unwell. Wash contaminated clothing before reuse.

**Eye Contact:** Do not rub. 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. Immediately call a POISON CENTER or doctor/physician.

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

**Inhalation:** May cause respiratory irritation.

**Skin Contact:** May cause slight irritation.

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

**Ingestion:** Consult a physician

**Chronic Symptoms:** Not available

### **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, foam, carbon dioxide, dry chemical.

**Unsuitable Extinguishing Media:** None known.

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

**Fire Hazard:** None known.

**Explosion Hazard:** Product itself is not explosive but if dust is generated, material may form an ignitable dust under sufficient concentrations.

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

### **Advice for Firefighters**

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

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

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

**Hazardous Combustion Products:** Carbon dioxide, carbon monoxide.

**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, dust). Avoid all unnecessary exposure. Avoid generating dust. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.

#### **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:** 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.

### **Environmental Precautions**

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

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

**For Containment:** Absorb and/or contain spill with inert material. Avoid generation of dust during clean-up of spills. Use only non-sparking tools.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Methods for Cleaning Up:** Pick up spilled material and containerize for recovery or disposal. Flush area with water to remove residues.

### Reference to Other Sections

See section 8, Exposure Controls and Personal Protection.

## 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. 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

**Storage Conditions:** Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep 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:** Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Local exhaust ventilation recommended.

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



**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:** Wear suitable protective clothing.

**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

<b>Physical State</b>	: Solid
<b>Appearance</b>	: Waxy White, Flake, Powder, Pastille
<b>Odor</b>	: Mild, Soapy
<b>Odor Threshold</b>	: Not available
<b>pH</b>	: Not available
<b>Evaporation Rate</b>	: Not available
<b>Melting Point</b>	: 55 - 57 °C (131 - 134.6 °F)
<b>Freezing Point</b>	: Not available

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point	: 170 °C (338 °F) (2.7 mbar)
Flash Point	: > 93.40 °C (> 200.12 °F)
Flammability (solid, gas)	: Not available
Lower Flammable Limit	: Not available
Upper Flammable Limit	: Not available
Vapor Pressure	: Not available
Relative Vapor Density at 20 °C	: Not available
Relative Density	: 0.812
Specific Gravity	: Not available
Solubility	: Water: Negligible
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. Open flame. Sparks.

**Incompatible Materials:** Oxidizers, Bases, Strong Acids.

**Hazardous Decomposition Products:** No decomposition if stored normally.

## SECTION 11 - TOXICOLOGICAL INFORMATION

### Information on Toxicological Effects - Product

**Acute Toxicity:** Not classified

**LD50 and LC50 Data:**

#### AL-1895 (112-92-5)

LD50 Oral Rat	> 5000 mg/kg
LD50 Dermal Rabbit	> 2000 mg/kg

**Skin Corrosion/Irritation:** Not classified

**Serious Eye Damage/Irritation:** Not classified

**Respiratory or Skin Sensitization:** Not classified

**Germ Cell Mutagenicity:** Not classified

**Teratogenicity:** Not available

**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.

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

**LD50 and LC50 Data:**

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

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## SECTION 11 - TOXICOLOGICAL INFORMATION

LD50 Oral Rat	> 5000 mg/kg
LD50 Dermal Rabbit	8000 mg/kg
ATE US (dermal)	8,000.00 mg/kg body weight
<b>1-Hexadecanol (36653-82-4)</b>	
LD50 Oral Rat	> 5000 mg/kg
LD50 Dermal Rabbit	> 5000 mg/kg
<b>1-Eicosanol (629-96-9)</b>	
LD50 Oral Rat	> 10000 mg/kg

## SECTION 12: ECOLOGICAL INFORMATION

### Toxicity

<b>1-Octadecanol (112-92-5)</b>	
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)

**Persistence and Degradability** Not available

### Bioaccumulative Potential

<b>1-Octadecanol (112-92-5)</b>	
BCF other aquatic organisms 1	1000
Log Pow	7.19
<b>1-Hexadecanol (36653-82-4)</b>	
BCF other aquatic organisms 1	56
Log Pow	6.65

### Mobility in Soil

<b>1-Octadecanol (112-92-5)</b>	
Mobility In Soil	28.7 % (Mass Distribution by Environmental Compartment via Fugacity Level III Model)
<b>1-Hexadecanol (36653-82-4)</b>	
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 waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

## 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

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## SECTION 15: REGULATORY INFORMATION

### US Federal Regulations

<b>AL-1895 (112-92-5)</b>	
<b>SARA Section 311/312 Hazard Classes</b>	Fire hazard
<b>1-Octadecanol (112-92-5)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>1-Hexadecanol (36653-82-4)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>1-Eicosanol (629-96-9)</b>	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

### US State Regulations

<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-Hexadecanol (36653-82-4)</b>	
U.S. - Texas - Effects Screening Levels - Long Term	
U.S. - Texas - Effects Screening Levels - Short Term	
<b>1-Eicosanol (629-96-9)</b>	
U.S. - Texas - Effects Screening Levels - Long Term	
U.S. - Texas - Effects Screening Levels - Short Term	

### Canadian Regulations

<b>1-Octadecanol (112-92-5)</b>	
Listed on the Canadian DSL (Domestic Substances List)	
WHMIS Classification	Uncontrolled product according to WHMIS classification criteria
<b>1-Hexadecanol (36653-82-4)</b>	
Listed on the Canadian DSL (Domestic Substances List)	
WHMIS Classification	Class D Division 2 Subdivision B - Toxic material causing other toxic effects
<b>1-Eicosanol (629-96-9)</b>	
Listed on the Canadian DSL (Domestic Substances List)	

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

<b>Revision Date</b>	: 06/01/2015
<b>Other Information</b>	: 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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## SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

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SDS NA Peter Cremer