

# SAFETY DATA SHEET

## ADOL® 61 NF

### SECTION 1: IDENTIFICATION

#### Product Identifier

**Product Form:** Substance

**Product Name:** ADOL® 61 NF

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

**Synonyms:** Stearyl Alcohol

#### Intended Use of the Product

**Use of the Substance:** Intermediate. Cosmetics. Aluminum rolling lubricants.

#### 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

##### 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 : ADOL® 61 NF

CAS No : 112-92-5

Name	Product Identifier	% (w/w)	Classification (GHS-US)
1-Octadecanol	(CAS No) 112-92-5	97.5—100	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.

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

**Skin Contact:** Remove contaminated clothing. Wash off with soap and water. Obtain medical attention if irritation persists.

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

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## SECTION 4: FIRST AID MEASURES

Obtain medical attention if irritation persists.

**Ingestion:** Do NOT induce vomiting. Consult a physician.

### **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:** May cause slight irritation to skin.

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

**Ingestion:** Consult a physician.

**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, dry chemical, foam, carbon dioxide (CO<sub>2</sub>).

**Unsuitable Extinguishing Media:** None known.

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

**Fire Hazard:** Irritating and toxic gases or fumes may be released during a fire.

**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:** Not available.

**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.

#### **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. 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.

**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. Absorb with sand or other inert absorbent material. Sand. Silica gel. Acid binder. Universal binder.

### **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:** Avoid unnecessary contact. No smoking. Use care to minimize generation of dust.

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## SECTION 7: HANDLING AND STORAGE

**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:** Not available.

## 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. 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 safety glasses.

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

<b>Physical State</b>	: Solid
<b>Appearance</b>	: Waxy White flakes, pastilles
<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>	: 56 - 60 °C (132.8 - 140.0 °F)
<b>Freezing Point</b>	: Not available
<b>Boiling Point</b>	: > 249 °C (101.3 kPa) (480.20 °F)
<b>Flash Point</b>	: 172.2 °C PMCC (341.96 °F)
<b>Auto-ignition Temperature</b>	: Not available
<b>Decomposition Temperature</b>	: Not available
<b>Flammability (solid, gas)</b>	: Not available
<b>Lower Flammable Limit</b>	: Not available
<b>Upper Flammable Limit</b>	: Not available

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure	: < 1 mm Hg at 72 °F (22 °C)
Relative Vapor Density at 20 °C	: Not available
Relative Density	: 0.81 at 65/25 °C
Specific Gravity	: 0.812
Solubility	: Water: Negligible at 72 °F (22 °C)
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 sources of heat. Contamination. Sunlight. Ionizing radiation.  
**Incompatible Materials:** Not available.  
**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:** 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:** Non-sensitizing  
**Symptoms/Injuries After Eye Contact:** Not classified.  
**Symptoms/Injuries After Ingestion:** Not classified.

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

LD50 and LC50 Data:

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

Acute: LD50 Oral Rat	> 2000 mg/kg, bw. OECD 401.
Acute: LD50 Dermal Rabbit	8000 mg/kg, 24 hours, bw. Read-across 112-72-1.

## SECTION 12: ECOLOGICAL INFORMATION

### Toxicity

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

Acute: LC50 Fish 1	> 0.4 mg/l, 96 hours, OECD 203. (Species: Oncorhynchus mykiss)
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## SECTION 12: ECOLOGICAL INFORMATION

**Acute: EC50 Crustacea 1** 1700 mg/l, 48 hours, OECD 202. (Species: Daphnia magna)

**Persistence and Degradability:** Expected to be readily biodegradable.

### Bioaccumulative Potential

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

**Octanol/water partition coefficient log Kow** 7.4

**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 waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

**Additional Information:** Dispose in accordance to applicable laws.

**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-Octadecanol (112-92-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

### US State Regulations

Neither this product nor its chemical components appear on any US state lists.

### Canadian Regulations

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

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

**Revision Date** : 05/04/2015

**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**

Peter Cremer North America, LP

1-513-471-7200

1-877-901-7262 (Toll Free)

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

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SDS NA Peter Cremer