AHCOHOL 1898
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Revision Date: 12/17/2013
Supersedes: 10/21/2013
Version: 1.0

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

1.1. Product Identifier
Product Form: Substance
Product Name: AHCOHOL 1898
CAS No: 112-92-5
Synonyms: Stearyl Alcohol, Octadecanol-1

1.2. Intended Use of the Product
Use of the substance/mixture: Intermediate, nonionic surfactant

1.3. Name, Address, and Telephone of the Responsible Party
Company
Acme-Hardesty Co.
450 Sentry Parkway
Blue Bell, PA  19422
T 866-226-3834   T 215-591-3610
www.acme-hardesty.com

1.4. Emergency Telephone Number
Emergency Number : 800-424-9300
For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident, call CHEMTREC – Day or Night

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture
Classification (GHS-US)
Not classified

2.2. Label Elements
GHS-US Labeling
Not applicable

2.3. Other Hazards
Not classified

2.4. Unknown Acute Toxicity (GHS-US):
No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

<table>
<thead>
<tr>
<th>Name</th>
<th>Product Identifier</th>
<th>%</th>
<th>Classification (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Octadecanol</td>
<td>(CAS No) 112-92-5</td>
<td>98 - 100</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

3.2. Mixtures
Not applicable

Full text of H-phrases: see section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of First Aid Measures
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).
First-aid Measures After Inhalation: When symptoms occur: go into open air and ventilate suspected area.
First-aid Measures After Skin Contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes.
First-aid Measures After Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
First-aid Measures After Ingestion: Rinse mouth. Do NOT induce vomiting.

12/17/2013
EN (English US)
4.2. Most important symptoms and effects, both acute and delayed
Symptoms/Injuries: None expected under normal conditions of use.
Symptoms/Injuries After Inhalation: None expected under normal conditions of use.
Symptoms/Injuries After Skin Contact: Contact during a long period may cause light irritation.
Symptoms/Injuries After Eye Contact: May cause slight irritation to eyes.
Symptoms/Injuries After Ingestion: If a large quantity has been ingested: May cause nausea, vomiting, and diarrhea.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed
If medical advice is needed, have product container or label at hand.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing Media
Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire. Carbon dioxide, dry chemical, foam, water spray, fog.
Unsuitable Extinguishing Media: Water may be ineffective.

5.2. Special Hazards Arising From the Substance or Mixture
Fire Hazard: Not considered flammable but will burn at high temperatures.
Explosion Hazard: Product is not explosive.
Reactivity: Hazardous reactions will not occur under normal conditions.

5.3. Advice for Firefighters
Firefighting Instructions: Exercise caution when fighting any chemical fire.
Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.
Other information: Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures
General Measures: Handle in accordance with good industrial hygiene and safety practice.

6.1.1. For Non-emergency Personnel
Protective Equipment: Use appropriate personal protection equipment (PPE).

6.1.2. For Emergency Responders
Protective Equipment: Equip cleanup crew with proper protection.
Emergency Procedures: Ventilate area.

6.2. Environmental Precautions
Prevent entry to sewers and public waters. Avoid release to the environment.

6.3. Methods and Material for Containment and Cleaning Up
For Containment: Solid spill: Collect as any solid.
Methods for Cleaning Up: Clear up spills immediately and dispose of waste safely. Collect spillage.

6.4. Reference to Other Sections
See heading 8, Exposure Controls and Personal Protection.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling
Handling Temperature: 60 – 70 °C (140 – 158 °F) Loading/unloading temperature
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.

7.2. 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 heat.
Storage Area: Keep away from heat.

7.3. Specific End Use(s) Intermediate, nonionic surfactant

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters
No Occupational Exposure Limits (OELs) have been established for this product or its chemical components.
8.2 Exposure Controls

Appropriate Engineering Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.

Personal Protective Equipment: Gloves. Protective goggles.

Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear chemically resistant protective gloves.

Eye Protection: Chemical goggles or safety glasses.

Respiratory Protection: Wear approved mask.

Other Information: When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

Physical State: Solid

Appearance: Colorless. Pastilles.

Odor: Odorless.

Odor Threshold: No data available

pH: No data available

Relative Evaporation Rate (butylacetate=1): No data available

Melting Point: 55 - 59 °C (131-138.2°F)

Freezing Point: No data available

Boiling Point: 330 - 360 (626-680°F)

Flash Point: ~ 195 °C (383°F) PMCC

Auto-ignition Temperature: 250 °C (482°F)

Decomposition Temperature: No data available

Flammability (solid, gas): No data available

Vapor Pressure: < 10 mm Hg @22°C

Relative Vapor Density at 20 °C: No data available

Relative Density: No data available

Specific Gravity: 0.805 – 0.815 g/cm³ @60°C

Density: 0.815 g/cm³ @70°C

Solubility: Water: Insoluble @20°C

Log Pow: No data available

Log Kow: No data available

Viscosity, Kinematic: No data available

Viscosity, Dynamic: No data available

Explosive Properties: No data available

Oxidizing Properties: No data available

Explosive Limits: Upper 1% Lower 1%

9.2 Other Information: No additional information available

SECTION 10: STABILITY AND REACTIVITY

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

10.2 Chemical Stability: Stable under normal temperature and pressure.

10.3 Possibility of Hazardous Reactions: Hazardous polymerization will not occur.
SECTION 10: STABILITY AND REACTIVITY

10.4 Conditions to Avoid: Direct sunlight. Extremely high or low temperatures. Keep away from heat.
10.6 Hazardous Decomposition Products: Carbon oxides (CO, CO2).

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information On Toxicological Effects
Acute Toxicity: Not classified

1-Octadecanol (112-92-5)
LD50 Oral Rat 2510 mg/kg

Skin Corrosion/Irritation: Not classified
Serious Eye Damage/Irritation: Not classified
Respiratory or Skin Sensitization: Not classified
Germ Cell Mutagenicity: Not classified
Carcinogenicity: Not classified
Reproductive Toxicity: Not classified
Specific Target Organ Toxicity (Single Exposure): Not classified
Specific Target Organ Toxicity (Repeated Exposure): Not classified
Aspiration Hazard: Not classified
Symptoms/Injuries After Inhalation: None expected under normal conditions of use.
Symptoms/Injuries After Skin Contact: Contact during a long period may cause light irritation.
Symptoms/Injuries After Eye Contact: May cause slight irritation to eyes.
Symptoms/Injuries After Ingestion: If a large quantity has been ingested: May cause nausea, vomiting, and diarrhea.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity
Ecology - General: Not established.

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)
EC50 Other Aquatic Organisms 1 235 mg/l (Exposure time: 96 h - Species: Desmodesmus subspicatus)

12.2 Persistence and Degradability
AHCOHOL 1898
Persistence and Degradability: Easily biodegradable.
BOD (% of ThOD): 90 % ThOD

12.3 Bioaccumulative Potential
AHCOHOL 1898
Bioaccumulative Potential: Not established.

1-Octadecanol (112-92-5)
Log Pow: 7.19

12.4 Mobility in Soil: No additional information available

12.5 Other Adverse Effects
Other Information: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, and international regulations.
Ecology – Waste Materials: No data available
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### SECTION 14: TRANSPORT INFORMATION

In Accordance With ICAO/IATA/DOT/TDG

14.1. **UN Number**  Not applicable  

14.2. **UN Proper Shipping Name**  Not regulated for transport.  

14.3. **Additional Information**  

Other information : No supplementary information available.  

**Transport by Sea**  Not regulated for transport.  

**Air Transport**  Not regulated for transport.  

### SECTION 15: REGULATORY INFORMATION

15.1 **US Federal Regulations**  

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

15.2 **US State Regulations**  

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

### SECTION 16: OTHER INFORMATION

**Other Information**  
This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.  

**GHS Full Text Phrases:**  

<table>
<thead>
<tr>
<th>Acute Tox. Not classified (Oral)</th>
<th>Acute toxicity (oral) Not classified</th>
</tr>
</thead>
</table>

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