Safety Data Sheet

SECTION 1: IDENTIFICATION

Product Name ACS-CLN-117
Identifier Uses Antifoam
Supplier Advanced Chemical Service Inc.
3410 La Sierra Ave.#F271
Riverside, CA 92503
Tel: 800-319-9227
Contact Person 800-319-9227 / www.advancedchemicalservice.com
Emergency Telephone 24-HOUR EMERGENCY TELEPHONE: INFOTRAC: 1-800-535-5053 INTERNATIONAL#: 1-352-323-3500

SECTION 2: HAZARDS IDENTIFICATION

Appearance Emulsion.
Color Turbid, white liquid emulsion.
Odor Slightly sweet

Pictogram(s) Signal Word No Signal Word

Hazard Statements
Precautionary Statements P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Contains

GHS Classification
Physical and Chemical Hazards Not classified
Human Health Not classified
Environment Not classified

OSHA Regulatory Status This product is Not Hazardous under the OSHA Hazard communication Standard.

Inhalation No specific symptoms noted, inhalation is not believed to be a likely route of exposure.
Ingestion No specific symptoms noted.
Skin contact Prolonged contact may cause redness, irritation and dry skin.
Eye contact Prolonged contact may cause redness and/or tearing.
Routes of Exposure Unknown

SECTION 3: Composition/Information on Ingredients

Composition Comments Confidential business information has been removed without affecting the overall safety information on the safety data sheet.

SECTION 4: FIRST AID MEASURES

Description of first aid measures
General Information General first aid, rest, warmth and fresh air.
Inhalation Move the exposed person to fresh air at once.
Ingestion Immediately rinse mouth and drink plenty of water. Never give liquid to an unconscious person.
Skin contact Remove contaminated clothing immediately and wash skin with soap and water.
Eye contact Do not rub eye. Make sure to remove any contact lenses from the eyes before rinsing.
Most important symptoms and effects, both acute and delayed

<table>
<thead>
<tr>
<th>General Information</th>
<th>The severity of the symptoms described will vary dependent on the concentration and the length of exposure.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>No specific symptoms noted, inhalation is not believed to be a likely route of exposure.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>No specific symptoms noted.</td>
</tr>
<tr>
<td>Skin contact</td>
<td>Prolonged contact may cause redness, irritation and dry skin.</td>
</tr>
<tr>
<td>Eye contact</td>
<td>Prolonged contact may cause redness and/or tearing.</td>
</tr>
<tr>
<td>Routes of Exposure</td>
<td>Unknown</td>
</tr>
</tbody>
</table>

Notes To The Physician: Treat Symptomatically.

SECTIONS 5: Firefighting Measures

| Auto Ignition Temperature (°C) | No Information available. |
| Flammability Limit-Lower (%)   | No Information available. |
| Flammability Limit-Upper (%)   | No Information available. |
| Flashpoint                     | No Information available. |
| Extinguishing Media            | Use fire-extinguishing media appropriate for surrounding materials. Water, foam, dry chemical or carbon dioxide. |
| Hazardous combustion products  | No hazardous decomposition products.                                                                       |
| Unusual Fire & Explosion Hazards | Dried residue can thermally decompose, giving off irritating and possibly toxic fumes.                      |
| Special Fire Fighting Procedures | Use water to cool containers exposed to a fire. Avoid breathing fire vapors.                               |
| Protective equipment for firefighters | Wear full protective clothing and self-contained breathing apparatus, suitable gloves and boots.          |

SECTION 6: Accidental Release Measures

<table>
<thead>
<tr>
<th>Personal Precautions</th>
<th>For personal protection, see section B. In case of inadequate ventilation, use respiratory protection. Do not smoke, use open fire or other sources of ignition. In case of spills, beware of slippery floors and surfaces.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environmental Precautions</td>
<td>Keep out of drains, municipal sewers, open bodies of water and water course.</td>
</tr>
<tr>
<td>Spill Clean Up Methods</td>
<td>Restrict non-essential personnel from the area. Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area. Do not contaminate water sources or sewer. Place into chemical waste container for disposal according to local, state or federal regulations. Neutralize residue with lime or soda ash and flush spill area. DO NOT TOUCH SPILLED MATERIAL! Wash thoroughly after dealing with a spillage.</td>
</tr>
</tbody>
</table>

SECTION 7: Handling and Storage

| Handling | Use proper personal protection when handling. Provide good ventilation. Avoid contact with skin and eyes and clothing. Do not use contact lenses. Avoid inhalation of vapors and mists. Avoid prolonged or repeated contact. Do NOT ingest. Wash thoroughly after handling. Rinse container before disposal. |
| Usage Description | Store in a cool, dry, and well-ventilated place away from incompatible materials. Vent containers frequently, and more often in warm weather to relieve pressure. Keep container tightly closed when not in use. Do not get in eyes, on skin, or on clothing. |
| Storage Precautions | Store closed containers in a cool, dry, well-ventilated area away from incompatible materials. This product is stable under normal conditions of handling and storage. Avoid cold temperatures. The recommended storage temperature is above 32°F, preferably at room temperature (70°F). The recommended shelf life is two (2) years. It is recommended that products be retested if stored for more than two (2) years. Under ideal storage conditions, the shelf life is almost indefinite. Keep away from oxidizing materials. |

Specific End Use(s): The identified uses are in section 1 of this Safety Data Sheet.

SECTION 8: Exposure Controls/Personal Protection

Protective Equipment

Immediately flush with plenty of water for up to 15 minutes.
**Ingredient Comments**

No information for the control parameters

**Process Conditions**

Provide eyewash, quick drench.

**Engineering Measures**

Provide adequate ventilation.

**Respiratory Equipment**

Use of respirator protection is not generally required. However, if exposure is above the stated limits or ventilation is inadequate, use a NIOSH approved acid gas/organic vapor respirator to reduce potential for inhalation exposure. When using respirator cartridges, they must be changed frequently to assure breakthrough exposure does not occur.

**Hand Protection**

When handling this product, it is recommended to wear chemical resistant gloves. The choice of suitable protective gloves depends on work conditions and what chemicals are handled, but we have positive experience with gloves made of Rubber.

**Eye Protection**

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Hygiene Measures**

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

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**SECTION 9: Physical and Chemical Properties**

**Information on Basic Physical and Chemical Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Emulsion</td>
</tr>
<tr>
<td>Color</td>
<td>Turbid, white liquid emulsion</td>
</tr>
<tr>
<td>Odor</td>
<td>Slightly sweet</td>
</tr>
<tr>
<td>Odor Threshold -Lower</td>
<td>No Information available.</td>
</tr>
<tr>
<td>Odor Threshold -Upper</td>
<td>No Information available.</td>
</tr>
<tr>
<td>pH-Value, Conc. Solution</td>
<td>7.0</td>
</tr>
<tr>
<td>Melting point</td>
<td>32.0 °F</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>212.0 °F</td>
</tr>
<tr>
<td>Flash point</td>
<td>No Information available.</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No Information available.</td>
</tr>
<tr>
<td>Flammability State</td>
<td>No Information available.</td>
</tr>
<tr>
<td>Flammability Limit-Lower (%)</td>
<td>No Information available.</td>
</tr>
<tr>
<td>Flammability Limit-Upper (%)</td>
<td>No Information available.</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>23.8 mm Hg 0.0</td>
</tr>
<tr>
<td>Vapor Density (air=1)</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Relative density</td>
<td>1.00 @ 68.0°F</td>
</tr>
<tr>
<td>Bulk Density</td>
<td>No Information available.</td>
</tr>
<tr>
<td>Solubility</td>
<td>Completely soluble in water.</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No Information available.</td>
</tr>
<tr>
<td>Partition coefficient; n-octanol/water</td>
<td>No Information available.</td>
</tr>
</tbody>
</table>
Auto Ignition Temperature (°C)  No Information available.
Viscosity  No Information available.
Explosive Properties  No information available.
Oxidizing properties  No Information available.
Molecular Weight  No Information available.
Volatile Organic Compound  No Information available.

SECTION 10: Stability and Reactivity

Reactivity  Reaction may occur with strong oxidizing agents.
Stability  This product is stable at ambient temperatures and atmospheric pressures.
Hazardous Polymerization  Hazardous polymerization is not expected to occur under normal temperatures and pressures.
Hazardous Decomposition Products  None under normal conditions.
Conditions to Avoid  Avoid exposing to heat and contact with strong oxidizing substances.
Materials to Avoid  Do not mix with other chemicals unless listed on directions. Avoid contact with strong oxidizing materials.

SECTION 11: Toxicological Information

Toxicological Information  No Information available.
Acute Toxicity (Oral LD50)  Not determined.
Acute Toxicity (Dermal LD50)  Not determined.
Acute Toxicity (Inhalation LC50)  No Information available.
Skin Corrosion/Irritation  No Information available.
Respiratory Sensitization  No Information available.
Skin Sensitization  No Information available.
Reproductive Toxicity:  No Information available.
Germ Cell Mutagenicity:  No Information available.
Genotoxicity - In Vitro  No Information available.
Genotoxicity - In Vivo  No Information available.
Carcinogenicity:
Carcinogenicity  No Information available.
NTP - Carcinogenicity  The product and its components are not listed.
OSHA - Carcinogenicity  The product and its components are not listed.
IARC Carcinogenicity  The product and its components are not listed.

Specific Target Organ Toxicity - Single Exposure:
STOT - Single Exposure  No Information available.
Specific Target Organ Toxicity - Repeated Exposure:
STOT - Repeated Exposure  No Information available.

SECTION 12: Ecological Information

Eco toxicity  No Information available.
Acute Toxicity - Fish  Not determined.
Acute Toxicity - Aquatic Invertebrates  Not determined.
Acute Toxicity - Aquatic Plants  Not determined.
Degradability: No information available.

Bio accumulative Potential: No Information available.

Mobility: Completely soluble in water.

Results of PBT and vPvB Assessment: The product does not contain any PBT or vPvB Substances.

Other Adverse Effects: None known.

SECTION 13: Disposal Considerations

Waste Management: When handling waste, consideration should be made to the safety precautions applying to handling of the product.

Disposal Methods: Dispose of waste and residues in accordance with local authority requirements. Do NOT dump into any sewers, on the ground or into any body of water. Rinse containers before disposal. Since emptied containers contain product residue, follow label warnings even after container is emptied.

SECTION 14: Transport Information

UN No. (DOT/TDG): Not applicable.
UN No. (IMDG): Not applicable.
UN No. (ICAO): Not applicable.
DOT Proper Shipping Name: Not applicable.
TDG Proper Shipping Name: Not applicable.
DOT Hazard Class: Not applicable.
DOT Hazard Label: Not applicable.
TDG Class: Not applicable.
TDG Label(s): Not applicable.
IMDG Class: Not applicable.
ICAO Class: Not applicable.
Transport Labels:
DOT Pack Group: Not applicable.
IMDG Pack Group: Not applicable.
Air Pack Group: Not applicable.
EMS: Not applicable.
Environmentally Hazardous Substance/Marine Pollutant: No

SECTION 15: Regulatory Information

US Federal Regulations:
- SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities
  The Following ingredients are listed
- CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)
  The Following ingredients are listed
- SARA Extremely Hazardous Substances EPCRA Reportable Quantities
The Following ingredients are listed

SARA 313 Emission Reporting
The Following ingredients are listed

CAA Accidental Release Prevention
The Following ingredients are listed

OSHA Highly Hazardous Chemicals
The Following ingredients are listed

US State Regulations
California Proposition 65 Carcinogens and Reproductive Toxins
The Following ingredients are listed

California Air Toxics "Hot Spots" (A-I)
The Following ingredients are listed

California Air Toxics "Hot Spots" (A-II)
The Following ingredients are listed

Massachusetts "Right To Know" List
The Following ingredients are listed

Rhode Island "Right To Know" List
The Following ingredients are listed

Minnesota "Right To Know" List
The Following ingredients are listed

New Jersey "Right To Know" List
The Following ingredients are listed

Pennsylvania "Right To Know" List
The Following ingredients are listed
SECTION 16: Other Information

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)

HAZARDOUS MATERIAL INFORMATION SYSTEM (HMIS)

<table>
<thead>
<tr>
<th>Health</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammability</td>
<td>0</td>
</tr>
<tr>
<td>Physical Hazard</td>
<td>0</td>
</tr>
<tr>
<td>Personal Protection</td>
<td>B</td>
</tr>
</tbody>
</table>

Revision Comments
Revision Date 5/15/2015
Revision 1

Disclaimer
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