1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier
All Temperature Rinse

Other Means of Identification

Product Code
ACP-116

Recommended Use of the Chemical and Restrictions on Use

Recommended Use
Machine Dish Rinse

Details of the Supplier of the Safety Data Sheet

Manufacturer Address
Arrow Chemical Products, Inc.
2067 Ste. Anne
Detroit, Michigan 48216

Emergency Telephone Number

Company Phone Number
313-237-0277

Emergency Telephone
INFO TRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Classification

<table>
<thead>
<tr>
<th>Hazard</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity Oral</td>
<td>Category 4</td>
</tr>
<tr>
<td>Acute toxicity Inhalation</td>
<td>Category 2</td>
</tr>
<tr>
<td>Serious Eye Damage/Eye Irritation</td>
<td>Category 2A</td>
</tr>
</tbody>
</table>

Signal Word

WARNING

Hazard Statements

Harmful if inhaled
Harmful if swallowed

Appearance
Blue liquid

Physical State
Liquid

Odor
Alcohol
Precautionary Statements - Prevention
Do not taste or swallow.
Do not handle until all safety precautions have been read and understood
Use personal protective equipment as required
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Do not breathe dust/fume/gas/mist/vapors/spray

Precautionary Statements - Response
If exposed or concerned, call a POISON CENTER or doctor/physician
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing Immediately call a POISON CENTER or doctor/physician
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
Wash contaminated clothing before reuse
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Immediately call a POISON CENTER or doctor/physician
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Seek medical attention.

Precautionary Statements - Storage
Store in a cool dry place. KEEP OUT OF REACH OF CHILDREN. Keep container tightly closed and in an upright position when not in use.

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcohols C6-10, ethoxylated propoxylated</td>
<td>68987-81-5</td>
<td>20-30</td>
</tr>
<tr>
<td>Isopropyl Alcohol</td>
<td>67-63-0</td>
<td>0-10</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

First Aid Measures

Inhalation
Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

Eye Contact
Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

Ingestion
Rinse mouth. Drink large quantities of water. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin Contact
Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If irritation occurs or persists, seek medical attention.

Most Important Symptoms and Effects, both Acute and Delayed

Symptoms
Irritation to eyes, redness tearing. Respiratory irritation may include cough, dizziness, drowsiness, headache, and sore throat.

Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians
Treat symptomatically.
5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Water or suitable material for primary source of fire.

Unsuitable Extinguishing Media None Known

Specific Hazards Arising from the Chemical
None known.

Hazardous Combustion Products None known.

Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions Use personal protective equipment as required.

Methods and Material for Containment and Cleaning Up

Methods for Containment Evacuate personnel to safe areas. Prevent further leakage or spillage if safe to do so. Collect using an inert absorbent material and place in appropriate containers for disposal. Prevent entry into waterways, sewer, basements or confined areas.

Methods for Cleaning Up Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Advice on Safe Handling Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Do not breathe dust/fume/gas/mist/vapors/spray. Do not taste or swallow.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions Store locked up. KEEP OUT OF THE REACH OF CHILDREN. Keep container tightly closed and upright when not in use.

Incompatible Materials Do not mix with other chemicals.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl Alcohol 67-63-0</td>
<td>200 ppm (TWA)</td>
<td>400 ppm (TWA)</td>
<td>-</td>
</tr>
</tbody>
</table>

Appropriate Engineering Controls

Engineering Controls Ensure adequate ventilation, especially in confined areas.
Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection  Splash goggles or safety glasses.

Skin and Body Protection  Rubber or other impervious gloves.

Respiratory Protection  Ensure adequate ventilation, especially in confined areas.

General Hygiene Considerations  Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Liquid</td>
<td>Alcohol</td>
</tr>
<tr>
<td>Appearance</td>
<td>Blue liquid</td>
<td>Odor Threshold</td>
</tr>
<tr>
<td>Color</td>
<td>Blue</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>7.0 - 8.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Melting Point/Freezing Point</td>
<td>Not available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Boiling Point/Boiling Range</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flash Point</td>
<td>225° C / 437°F</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>1</td>
<td></td>
<td>Water = 1</td>
</tr>
<tr>
<td>Flammability (Solid, Gas)</td>
<td>Not applicable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.008</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Soluble in water</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Solubility in Other Solvents</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Partition Coefficient</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Auto ignition Temperature</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kinematic Viscosity</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dynamic Viscosity</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Explosive Properties</td>
<td>Not an explosive</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Oxidizing Properties</td>
<td>Not determined</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

Reactivity  Not reactive under normal conditions.

Chemical Stability  Stable under recommended storage conditions.

Possibility of Hazardous Reactions  None under normal processing

Hazardous Polymerization  Hazardous polymerization does not occur.

Conditions to Avoid  Excessive heat and contamination of any kind.

Incompatible Materials  Do not mix with any other chemical.

Hazardous Decomposition Products  None known based on information supplied.
11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Inhalation  May cause irritation to the mucous membranes and respiratory tract.

Eye Contact  Causes irritation.

Skin Contact  Causes irritation.

Ingestion  Harmful if swallowed.

Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcohols C6-10, ethoxylated propoxylated 68987-81-5</td>
<td>2000 mg/kg (Rat)</td>
<td>2000 mg/kg (Rabbit)</td>
<td>&gt;50 mg/l (Rat) 4h</td>
</tr>
<tr>
<td>Isopropyl Alcohol 67-63-0</td>
<td>5050 mg/kg (Rat)</td>
<td>12800 mg/kg (Rabbit)</td>
<td>-</td>
</tr>
</tbody>
</table>

Information on Physical, Chemical and Toxicological Effects

Symptoms  Prolonged exposure may cause drying or defatting of the skin. Mists and vapors may cause irritation of the eyes, mucous membranes, and upper respiratory tract. Swallowing can cause abdominal irritation, nausea, vomiting and diarrhea.

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

Carcinogenicity  No components of this product have been identified as a carcinogen or potential carcinogen by ACGIH, IARC, OSHA, or NTP.

12. ECOLOGICAL INFORMATION

Ecotoxicity

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Toxicity to microorganisms</th>
<th>Crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcohols C6-10, ethoxylated propoxylated 68987-81-5</td>
<td>EC50 Algae 1 - 10 mg/l 120 h-</td>
<td>LC50 Pimephales promelas 1 – 10 mg/L 96 h</td>
<td>-</td>
<td>EC50 Invertebrates 1 - 10 mg/l 48h</td>
</tr>
<tr>
<td>Isopropyl Alcohol 67-63-0</td>
<td></td>
<td>LC50 Fish 9640 mg/l 96 h</td>
<td></td>
<td>EC50 Crustaceans 1400 mg/L 48h</td>
</tr>
</tbody>
</table>

Persistence and Degradability  Readily biodegradable.

Bioaccumulation  Not determined.

Mobility  Not determined.

Other Adverse Effects  Not determined
13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes
Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging
Disposal should be in accordance with applicable regional, national and local laws and regulations. Do not reuse packaging.

14. TRANSPORT INFORMATION

Note
Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT
Not Regulated

IATA
Not Regulated

IMDG
Not Regulated

15. REGULATORY INFORMATION

International Inventories

TSCA
Listed

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances

US Federal Regulations

CERCLA Reportable Quantity
No components are listed.

SARA 313
No ingredients contain chemicals that require reporting under SARA Title III Section 313.

US State Regulations

U.S. State Right-to-Know Regulations
The following ingredients have been listed:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl Alcohol</td>
<td>X</td>
<td></td>
<td>X</td>
</tr>
<tr>
<td>67-63-0</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>Special Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Physical Hazards</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0</td>
<td>0</td>
<td></td>
<td>B</td>
</tr>
</tbody>
</table>

Disclaimer
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet