1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier
Product Name: Super Citrus Solvent

Other Means of Identification
Product Code: ACP-247CM

Recommended Use of the Chemical and Restrictions on Use
Recommended Use: Solvent based specialty cleaner for removing tar, asphalt, graffiti, adhesives, etc.
Uses Advised Against: For industrial and commercial use only.

Details of the Supplier of the Safety Data Sheet
Manufacturer Address: Arrow Chemical Products, Inc.
2067 Sainte. Anne St.
Detroit, Michigan 48216

Emergency Telephone Number
Company Phone Number: 313-237-0277
Emergency Telephone: INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Classification

<table>
<thead>
<tr>
<th>Classification</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammable Liquids</td>
<td>Category 3</td>
</tr>
<tr>
<td>Skin Corrosion/Irritation</td>
<td>Category 2</td>
</tr>
<tr>
<td>Serious Eye Damage/Eye Irritation</td>
<td>Category 2</td>
</tr>
</tbody>
</table>

Signal Word

WARNING

Hazard Statements
May be harmful if swallowed
May cause skin irritation
Causes severe eye irritation

Appearance: Orange liquid
Physical State: Liquid
Odor: Citrus/Orange
Precautionary Statements - Prevention
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Wear protective gloves/protective clothing/eye protection/face protection
Contaminated clothing should not be allowed out of the workplace.
Keep away from heat/sparks/open flames/hot surfaces. — No smoking
Keep container tightly closed.
Do not taste or swallow

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

Precautionary Statements - Storage
Store locked up in a cool, dry, well-ventilated place. KEEP OUT OF REACH OF CHILDREN. Keep unused container tightly closed and in upright position.

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

Hazards Not Otherwise Classified (HNOC)
None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>D-Limonene</td>
<td>5989-27-5</td>
<td>25 - 50</td>
</tr>
<tr>
<td>2-Butoxyethanol</td>
<td>111-76-2</td>
<td>10 - 20</td>
</tr>
<tr>
<td>N,N-dimethyl 9-decanamide</td>
<td>1356964-77-6</td>
<td>0 - 10</td>
</tr>
<tr>
<td>Proprietary Emulsifier*</td>
<td>Proprietary*</td>
<td>0 - 10</td>
</tr>
</tbody>
</table>

The balance of ingredients are not classified as hazardous to health or the environment. The specific chemical identity and/or exact percentage has been withheld as a trade secret.

4. FIRST AID MEASURES

First Aid Measures

General Advice
If exposed or concerned: Get medical advice/attention.

Inhalation
Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention if irritation occurs.

Eye Contact
Immediately flush eyes thoroughly with water for at least 15 minutes. Seek medical attention.

Ingestion
Drink 1-2 glasses of water and immediately all poison control center or doctor for treatment advice.

Skin Contact
Wash with plenty of soap and water. Get medical attention if irritation occurs.

Symptoms
May be harmful if swallowed. Irritation to skin and eyes. Irritation by inhalation. Prolonged or repeated exposure can cause drying, defatting, or dermatitis of skin.
Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Dry Chemical, Carbon Dioxide. Water spray fog. Alcohol resistant foam.

Unsuitable Extinguishing Media Water spray may be inefficient.

Specific Hazards Arising from the Chemical
Keep away from heat, sparks, and flame. Guard against spontaneous combustion of improperly discarded oily rags.

Hazardous Combustion Products Carbon monoxide. Carbon dioxide (CO2). Thermal decomposition can lead to release of irritation and toxic gasses and vapors.

Sensitivity to Static Discharge Take precautionary measures against static discharge.

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. Firefighters should wear self-contained breathing apparatus. Smother to exclude air. Do not use water. Handle as an oil fire, Class B fire procedures.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas. Use personal protective equipment as required. Keep people away from up wind of spill/leak. Pay attention to flashback. Take precautionary measures against static discharge.

Environmental Precautions Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewers.

Methods and Material for Containment and Cleaning Up

Methods for Containment Prevent further leakage or spillage if safe to do so. Eliminate all ignition sources.

Methods for Cleaning Up Absorb spilled material with inert material such as sand or sawdust and sweep up. Do not hose spills down drains, sewers, or waterways. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Advice on Safe Handling Ensure adequate ventilation, especially in confined areas. Keep away from heat, sparks, flame and other sources of ignition (i.e.: pilot lights, electric motors and static electricity). Take precautionary measures against static discharges. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when handling this product. Wear protective gloves/protective clothing and eye/face protection. Wash face, hands, and any exposed skin thoroughly after handling. Guard against spontaneous combustion of improperly discarded oily rags.
Conditions for Safe Storage, Including any Incompatibilities

**Storage Conditions**
Store locked up. Store away from incompatible materials. Store in a well ventilated area at temperature below 70°F. Keep container tightly closed. Store product in properly labeled container, away from sources of ignition.

**Incompatible Materials**
Strong oxidizing agents. Acidic agents.

---

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butoxyethanol</td>
<td>TWA: 20 ppm 100 mg/m³</td>
<td>TWA: 50 ppm TWA: 240 mg/m³</td>
<td>TWA: 5 ppm TWA: 24 mg/m³</td>
</tr>
</tbody>
</table>

**Appropriate Engineering Controls**

**Engineering Controls**
Good general ventilation (local exhaust) should be sufficient. Eyewash stations. Showers.

**Individual Protection Measures, such as Personal Protective Equipment**

**Eye/Face Protection**
Splash proof chemical safety goggles.

**Skin and Body Protection**
Oil resistant gloves. Oil resistant apron.

**Respiratory Protection**
Under normal circumstances, no protective equipment is needed. If vapor concentration becomes high, use NIOSH approved respirators.

**General Hygiene Considerations**
Handle in accordance with good industrial hygiene and safety practice. Take off all contaminated clothing and wash it before reuse. Wash face, hands and any exposed skin thoroughly after handling.

---

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on Basic Physical and Chemical Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Physical State</strong></td>
<td>Liquid</td>
<td></td>
</tr>
<tr>
<td><strong>Appearance</strong></td>
<td>Orange liquid</td>
<td></td>
</tr>
<tr>
<td><strong>Color</strong></td>
<td>Orange</td>
<td></td>
</tr>
<tr>
<td><strong>pH</strong></td>
<td>Not an aqueous solution</td>
<td></td>
</tr>
<tr>
<td><strong>Melting Point/Freezing Point</strong></td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td><strong>Boiling Point/Boiling Range</strong></td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td><strong>Flash Point</strong></td>
<td>&gt;115°F (46.1°C)</td>
<td>(butyl acetate = 1)</td>
</tr>
<tr>
<td><strong>Evaporation Rate</strong></td>
<td>0.2</td>
<td></td>
</tr>
<tr>
<td><strong>Flammability (Solid, Gas)</strong></td>
<td>N/A- Liquid</td>
<td></td>
</tr>
<tr>
<td><strong>Upper Flammability Limits</strong></td>
<td>6.1%</td>
<td></td>
</tr>
<tr>
<td><strong>Lower Flammability Limit</strong></td>
<td>0.7%</td>
<td></td>
</tr>
<tr>
<td><strong>Vapor Pressure</strong></td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td><strong>Vapor Density</strong></td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td><strong>Specific Gravity</strong></td>
<td>0.863</td>
<td></td>
</tr>
<tr>
<td><strong>Water Solubility</strong></td>
<td>Insoluble in water</td>
<td></td>
</tr>
<tr>
<td><strong>Solubility in Other Solvents</strong></td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td><strong>Partition Coefficient</strong></td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td><strong>Auto ignition Temperature</strong></td>
<td>Not determined</td>
<td></td>
</tr>
</tbody>
</table>
Decomposition Temperature: Not determined
Kinematic Viscosity: Not determined
Dynamic Viscosity: Not determined
Explosive Properties: Keep away from heat, sparks, and open flame.

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: Not determined

Conditions to Avoid
Excessive heat, sparks and flames. Incompatible Materials.

Incompatible Materials
Strong oxidizing agents. Acidic agents.

Hazardous Decomposition Products
Carbon monoxide. Carbon dioxide (CO₂). Smoke may be acrid and fumes irritating.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Inhalation
Avoid breathing vapors or mists.

Eye Contact
Causes serious eye irritation.

Skin Contact
Causes skin irritation. May be absorbed through skin contact.

Ingestion
Do not taste or swallow. 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>D-Limonene 5989-27-5</td>
<td>4400 mg/kg (Rat)</td>
<td>&gt; 5 g/kg (Rabbit)</td>
<td>-</td>
</tr>
<tr>
<td>2-Butoxyethanol 111-76-2</td>
<td>745 mg/kg (Rat)</td>
<td>1250mg/kg (Rat)</td>
<td>550 ppm (Rat) 4 h</td>
</tr>
</tbody>
</table>

Information on Physical, Chemical and Toxicological Effects

Symptoms
Irritating to skin. Irritating to eyes.

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

Skin Corrosion/Irritation
Causes skin irritation.

Serious Eye Damage/Eye Irritation
Causes severe eye irritation.
Carcinogenicity

No components of this product are listed as carcinogens or potential carcinogens by ACGIH, IARC, NTP or OSHA.

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>D-Limonene 5989-27-5</td>
<td></td>
<td>LC50: flow-through Pimephales promelas 0.619 - 0.796 mg/L 96 h LC50: Oncorhynchus mykiss 35.96 h mg/L</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2-Butoxyethanol 111-76-2</td>
<td>EC50: Pseudokirchneriella subcapitata 911 mg/l 72h</td>
<td>LC50: Oncorhynchus mykiss 1474 mg/l 96 h</td>
<td>EC50: Daphnia magna 1800 mg/L 48 h</td>
<td></td>
</tr>
</tbody>
</table>

Persistence and Degradability
Not determined

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 container

14. TRANSPORT INFORMATION

Note
Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances. CFR 173.150 applies.

DOT

<table>
<thead>
<tr>
<th>UN/ID No</th>
<th>Proper Shipping Name</th>
<th>Hazard Class</th>
<th>Packing Group</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN2319</td>
<td>Terpene Hydrocarbons, N.O.S</td>
<td>3</td>
<td>III</td>
</tr>
</tbody>
</table>

IATA

<table>
<thead>
<tr>
<th>UN/ID No</th>
<th>Proper Shipping Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN2319</td>
<td>Terpene Hydrocarbons, N.O.S</td>
</tr>
</tbody>
</table>
15. REGULATORY INFORMATION

International Inventories

TSCA Listed
DSL 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

SARA 313 No ingredients of this product contain chemical (s) that are subject to reporting levels established by SARA Title III, Section 313.

US State Regulations

U.S. State Right-to-Know Regulations

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Butoxyethanol 111-76-2</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Instability</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td>2</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></td>
<td>2</td>
<td>0</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