



COMPLETE CLEANING SOLUTIONS

# SAFETY DATA SHEET

ACP-247 – Super Citrus Solvent

Date: 08/14/2024

## 1. PRODUCT AND COMPANY IDENTIFICATION

### Product Identifier

Product Name Super Citrus Solvent

### Other Means of Identification

Product Code ACP-247

### 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.  
5933 W. KL Ave  
Kalamazoo, MI 49009

### 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

Flammable Liquids	Category 4
Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2

### Signal Word

**WARNING**

### Hazard Statements

May be harmful if swallowed  
May cause skin irritation  
Causes severe eye irritation  
Combustible Liquid



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. Rinse mouth do NOT induce vomiting.

**Precautionary Statements - Storage**

Store locked up in a cool, dry, well-ventilated place. KEEP OUT OF REACH OF CHILDREN. Keep unused container tightly closed.

**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**

Chemical Name	CAS No	Weight-%
D-Limonene	5989-27-5	45 - 65
2-Butoxyethanol	111-76-2	10 - 20

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**

<b>General Advice</b>	If exposed or concerned: Get medical advice/attention.
<b>Inhalation</b>	Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention if irritation occurs.
<b>Eye Contact</b>	Immediately flush eyes thoroughly with water for at least 15 minutes. Seek medical attention.
<b>Ingestion</b>	Drink 1-2 glasses of water and immediately all poison control center or doctor for treatment advice.
<b>Skin Contact</b>	Wash with plenty of soap and water. Get medical attention if irritation occurs.
<b>Symptoms</b>	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**

<b>Note to Physicians</b>	Treat symptomatically.
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## 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 (CO<sub>2</sub>). 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.

**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** 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 between 65° F and 85° F. Keep from freezing. If this product is stored outside of the temperature range, separation may occur. Store away from incompatible materials. Keep container tightly closed.

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

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
2-Butoxyethanol 111-76-2	TWA: 20 ppm 100 mg/m <sup>3</sup>	TWA: 50 ppm TWA: 240 mg/m <sup>3</sup>	TWA: 5 ppm TWA: 24 mg/m <sup>3</sup>

**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**

<b>Physical State</b>	Liquid	<b>Odor</b>	Citrus
<b>Appearance</b>	Orange liquid	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Orange		
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
<b>pH</b>	8.5 – 9.5		
<b>Melting Point/Freezing Point</b>	Not determined		
<b>Boiling Point/Boiling Range</b>	Not determined		
<b>Flash Point</b>	>140°F (60°C )		
<b>Evaporation Rate</b>	0.2	(butyl acetate = 1)	
<b>Flammability (Solid, Gas)</b>	N/A- Liquid		
<b>Upper Flammability Limits</b>	6.1%		
<b>Lower Flammability Limit</b>	0.7%		
<b>Vapor Pressure</b>	Not determined		
<b>Vapor Density</b>	Not determined		
<b>Specific Gravity</b>	0.925		
<b>Water Solubility</b>	Insoluble in water		
<b>Solubility in Other Solvents</b>	Not determined		
<b>Partition Coefficient</b>	Not determined		
<b>Auto ignition Temperature</b>	Not determined		
<b>Decomposition Temperature</b>	Not determined		
<b>Kinematic Viscosity</b>	Not determined		
<b>Dynamic Viscosity</b>	Not determined		
<b>Explosive Properties</b>	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 (CO<sub>2</sub>). 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**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
D-Limonene 5989-27-5	4400 mg/kg ( Rat )	> 5 g/kg ( Rabbit )	-
2-Butoxyethanol 111-76-2	745 mg/kg ( Rat )	1250mg/kg ( Rat )	550 ppm ( Rat ) 4 h

**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, NTP or OSHA.

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
D-Limonene 5989-27-5		LC50: flow-through Pimephales promelas 0.619 - 0.796 mg/L 96 h LC50: Oncorhynchus mykiss 35 96 h mg/L		
2-Butoxyethanol 111-76-2	EC50: Pseudokirchneriella subcapitata 911 mg/l 72h	LC50: Oncorhynchus mykiss 1474 mg/l 96 h		EC50: Daphnia magna 1800 mg/L 48 h

**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**

UN/ID No	UN1993
Proper Shipping Name	Flammable liquids, N.O.S. (Citrus terpenes)
Hazard Class	3
Packing Group	III

**IATA**

UN/ID No	UN1993
Proper Shipping Name	Flammable liquids, N.O.S. (Citrus terpenes)
Hazard Class	3
Packing Group	III

**IMDG**

UN/ID No	UN1993
Proper Shipping Name	Flammable liquids, N.O.S. (Citrus terpenes)

**Hazard Class** 3  
**Packing Group** III

**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**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
2-Butoxyethanol 111-76-2	X	X	X

**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	
	1	2	0	
<b><u>HMIS</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical Hazards</b>	<b>Personal Protection</b>
	1	2	0	B

**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**