

Section 1 – Product & Company Identification

Product Name: **Super Citrus Solvent**

Product ID Number: 247

Product Use: Solvent Based Cleaner

EPA Reg. Number: N/A

Manufacturer: Arrow Chemical Products, Inc.

2067 Ste. Anne

Detroit, MI 48216

Telephone: 313-237-0277

Numbers: 24 hr. Emergency Assistance: Infotrac 1-800-535-5053

Section 2 – Composition/Information on Ingredients

INGREDIENT	CAS #	% by Weight	Exposure Limits	LC ₅₀ /LD ₅₀
2-Butoxyethanol	111-76-2	<25%	PEL/T.L.V.: 25 ppm	Not Established
D' Limonene	5989-27-5	<70%	Not Established	Not Established
Citrus Terpenes	68647-72-3	<10%	Not Established	Not Established

Section 3 – Hazards Identification

Emergency Overview:

Potential Health Effects:

Acute: Harmful if swallowed. Product may be absorbed through skin. Irritating to eyes and skin. Inhalation may cause irritation

Chronic: Prolonged or repeated exposure can cause drying, defatting, and dermatitis of skin. Absorption through skin contact may be hazardous.

Carcinogenic Effects: Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

Section 4 – First Aid Measures

Eyes: Immediately flush with plenty of water at least 15 minutes. Get medical attention.

Skin/Clothing: Wash with plenty of soap and water. Get medical attention if irritation occurs.

Inhalation: Move to fresh air. Seek medical attention if irritation persists.

Ingestion: Do NOT induce vomiting. Drink water or milk. Get medical attention.

Section 5 – Fire Fighting Measures

Hazardous Combustion Products: May produce carbon dioxide and/or carbon monoxide

Extinguishing Media: Carbon dioxide, foam or dry chemical

Fire Fighting Equipment & Instructions: SCBA recommended. Smother to exclude air. Do not use water. Handle as and oil fire, Class B fire procedures. Firefighters should wear self-contained breathing apparatus.

Remarks on Explosion Hazard: Keep away from heat, sparks, and open flame. Guard against spontaneous combustion of improperly discarded oily rags.

Section 6 – Accidental Release Measures

Spill and Leak Procedures

Spills: Eliminate ignition sources. Absorb spilled material with dirt, sand, or other suitable absorbent and sweep up. Do not hose spills down drains, sewers, or waterways.

Personal Protection for Large Spills: Oil Resistant Gloves and Splash Proof Chemical Safety Goggles.

Section 7 – Handling & Storage

Handling Procedures: For industrial and commercial use only.

Storage Procedures: KEEP OUT OF REACH OF CHILDREN. Store in a well ventilated areas at temperatures below 70°F. Use precautions for combustible liquids.

Incompatibility: Strong oxidizing agents and acidic agents including, peroxides, halogens, vinyl chloride, and iodine pentafluoride.

Section 8 – Exposure Controls/Personal Protection

Engineering Controls: Good general ventilation (local exhaust) should be sufficient. If vapor becomes high, use NIOSH approved respirators.

Personal Protective Equipment:

Eyes/Face: Splash Proof Chemical Safety Goggles

Skin: Oil resistant gloves.

Respiratory: See Section 8 – Engineering Controls

Other Protective Equipment: Oil resistant apron, emergency eye wash and shower stations.

The following ingredients have established exposure guidelines:

INGREDIENT:	EXPOSURE GUIDELINE	GUIDELINE VALUE
2-Butoxyethanol (111-76-2)	ACGIH	20 ppm
	OSHA	50 ppm

All TWAs are for an 8-hour period and all STELs are for 15 minutes unless specifically noted as being for another time period.

Section 9 – Physical & Chemical Properties

Flash Point: 115° F

Specific Gravity: .863

Melting/Freezing Point: N/A

% Volatile by Volume: 95+%

Evaporation Rate (Butyl Acetate = 1): 1

pH: N/A

Solubility: Insoluble

Flammable Limits: LEL: 0.7% UEL: 6.1%

Explosion Hazards: Keep away from heat, sparks, and open flame. Guard against spontaneous combustion of improperly discarded oily rags.

Appearance and Odor: Pink Liquid, Orange Fragrance

Section 10: Stability & Reactivity

Chemical Stability: Stable

Incompatibilities: Excessive heat Materials to avoid: Strong oxidizing agents and acidic agents

Hazardous Decomposition: Smoke may be acrid and fumes irritating. Burning may produce carbon dioxide and/or carbon monoxide

Hazardous Polymerization: None described

Conditions to Avoid for Polymerization: Polymerization catalysts such as aluminum chloride and acidic clays.

Section 11 – Toxicological Information

Routes of Entry: Eyes, Skin, Ingestion, Inhalation

Carcinogenicity: No Carcinogenicity data available for this product.

Toxicity to Animals:

Acute Oral LD50: > 5g/kg [rat] (5989-27-5) 470-3000 mg/kg [rat] (111-76-2)

Acute Dermal LD50: >5 g/kg [rat] (5989-27-5) Acute Inhalation Toxicity: 700 ppm, 7 hour [rat] (111-76-2)

Acute Effects on Humans: Direct contact with eyes will irritate. Prolonged skin contact may cause irritation. Harmful if swallowed. Inhalation can cause irritation.

Chronic Effects: Prolonged or repeated exposure can cause drying, defatting, and dermatitis of skin.

Special Remarks on Toxicity: None.

CHEMICAL INGREDIENTS LISTED AS POTENTIAL OR KNOWN CARCINOGENS

INGREDIENT	OSHA	NTP	IARC
No ingredients listed in this section.			

Section 12 – Ecological Information

Ecotoxicity: Product may be toxic to aquatic organisms. Environmental Fate: No Data.

Section 13 – Disposal Considerations

Disposal Instructions: Do not hose spills down drains, sewers, or waterways. Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14 – Transportation Information

US DOT Shipping Classification

Proper Shipping Name: Terpene Hydrocarbons, N.O.S

Hazard Class: 3

Identification No.: UN2319

Packing Group: III

Label/Placard: exception 173.150 (f) applies.

Section 15 – Regulatory Information

TSCA Status - All ingredients are listed on the TSCA Chemical Inventory.

DSL/NDSL: All components listed unless noted elsewhere on this MSDS.

CERCLA/SARA

SARA Title III, Sections 311/312 – This act requires reporting under the Community Right-to-Know provisions due to the inclusion of the following components of this material in one or more of the five hazard categories listed in the 40 CFR 370: Classification of this product:

SARA Title 313 – This act requires submission of annual reports of releases of the following components of this material if the threshold reporting quantities, as listed in 40 CFR 372, are met or exceeded:

CHEMICAL NAME	CAS NO.	MAXIMUM CONCENTRATION	COMMENT
No ingredients listed.			

No ingredients listed.

Reportable Quantities/Threshold Planning Quantities: CERCLA requires notification of the National Response Center (Telephone 1-800-424-8802) in the event of a release of quantities of the following hazardous materials contained in this product, if the release is equal to or greater than the Reportable Quantities (RQs). SARA 302/304 requires emergency planning, including agency notification, for possible release of the following components of this material, based upon the Threshold Planning Quantities (TPQs) and/or release of Reportable Quantities.

CHEMICAL NAME	REPORTABLE QUANTITY (RQ)	THRESHOLD PLANNING QUANTITY (TPQ)
No ingredients listed.		

No ingredients listed.

State & Provincial Right to Know & Selected Regulatory Lists

The following ingredients appear on various states right to know lists and/or California's Proposition 65 List

CHEMICAL NAME	STATE LIST
2-Butoxyethanol (CAS# 111-76-2)	PA, CA
AZ – Arizona Ambient Air Quality Guidelines	IL – Illinois Toxic Air Contaminant – Carcinogenic
CT – Connecticut Hazardous Air Pollutants	MA – Massachusetts Right to Know List
CA – California Director's List of Hazardous Substances	MN – Minnesota Hazardous Substance List
CA65C – California Prop 65 Carcinogen	NJ – New Jersey Right to Know List
CA65R – California Prop 65 Reproductive Toxin	PA – Pennsylvania Right to Know List
FL – Florida Substances List	RI – Rhode Island Hazardous Substance List
ID – Idaho Non-carcinogen Toxic Air Pollutants	

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WHMIS Classification: Not controlled under WHMIS (Canada).

Section 16 – Other Information

Hazard Ratings

Hazard Rating Scale:

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4 = Extreme

3 = High

2 = Moderate

1 = Slight

0 = Insignificant

HEALTH	1
FLAMMABILITY	1
REACTIVITY	0

Information Contact: Arrow Chemical Products, Inc., 2067 Ste. Anne, Detroit, MI 48216

The seller makes no warranty expressed or implied concerning the accuracy of any results to be obtained from the use of any information and no warranty expressed or implied concerning the use of the products. The buyer assumes all risks of the use and/or handling.