



Section 1 – Product & Company Identification

Product Name: **Citrus Degreaser**
 Product ID Number: 248
 Product Use: Degreaser / 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
Diethylene Glycol Monobutyl Ether	112-34-5	0% - 10%	PEL: 50 (OSHA - SKIN) TLV: 20 (ACGIH – SKIN)	See Section 11
Biodegradable Chelant	144538-83-0	0% -5%	Not Established	Oral LD ₅₀ >2,000 mg/kg (Rat)
Citrus Terpenes	5989-27-5	5% - 15%	Not Established	Not Established

Section 3 – Hazards Identification

Emergency Overview:
Potential Health Effects:
 Acute: Causes eye and skin irritation.
 Chronic: None known based on OSHA criteria.
 Carcinogenic Effects: Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

Section 4 – First Aid Measures

Eyes: Flush with plenty of water at least 15 minutes. Get medical attention.
 Skin/Clothing: Wash with plenty of water. Remove contaminated clothing. Get medical attention if irritation occurs.
 Inhalation: Move to fresh air. Seek medical attention if irritation persists.
 Ingestion: Do NOT induce vomiting. Drink a large quantity of water. Get immediate medical attention.
 Note to Physician: N/A

Section 5 – Fire Fighting Measures

Hazardous Combustion Products: Carbon monoxide possible if burned.
 Extinguishing Media: Water of suitable material for primary source of fire.
 Fire Fighting Equipment & Instructions: None
 Remarks on Explosion Hazard: None known

Section 6 – Accidental Release Measures

Spill and Leak Procedures
 Spills: Absorb spilled material and sweep up.
 Personal Protection for Large Spills: Solvent proof gloves. 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. Keep container closed. Store in a cool dry place.
 Incompatibility: Strong oxidizers

Section 8 – Exposure Controls/Personal Protection

Engineering Controls: Good general ventilation should be sufficient.

Personal Protective Equipment:

Eyes/Face: Splash Proof Chemical Safety Goggles
 Skin: Solvent proof gloves.
 Respiratory: No special equipment needed. Use with adequate ventilation
 The following ingredients have established exposure guidelines:

INGREDIENT:	EXPOSURE GUIDELINE	GUIDELINE VALUE
(See Section 2)		

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: N/E
 Specific Gravity: 0.99
 Melting/Freezing Point: N/A
 % Volatile by Weight: N/A
 Evaporation Rate (Water = 1): 1
 pH: N/A
 Solubility: Emulsifies
 Flammable Limits: N/E
 Explosion Hazards: None known.
 Appearance and Odor: Orange Liquid, Orange Odor

Section 10: Stability & Reactivity

Chemical Stability: Stable
 Incompatibilities: Excessive heat and contamination of any kind. Materials to avoid: Strong oxidizers

Hazardous Decomposition: Carbon monoxide possible if burned.
Hazardous Polymerization: Will not occur
Conditions to Avoid for Polymerization: None



Section 11 – Toxicological Information

Routes of Entry: Eyes, Skin, Ingestion, Inhalation

Carcinogenicity: No Carcinogenicity data available for this product.

Toxicity to Animals: (based on 100% of CAS # 112-34-5)

Oral LD50 (Acute): 5660 mg/kg [Rat]. 2400 mg/kg [Mouse]. 2000 mg/kg [Guinea pig].

Dermal LD50 (Acute): 2700 mg/kg [Rabbit].

Acute Effects on Humans: Do not get in eyes on skin or on clothing. Vapors may be irritating to nose, throat, and lungs. Wear goggles or face shield, rubber gloves, and protective clothing. Harmful if swallowed. Remove contaminated clothing and wash before reuse. Wash thoroughly with soap and water after handling.

Chronic Effects: None known based on OSHA criteria

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

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

Marine Pollutant Components: NONE

Environmental Fate: No Data

Section 13 – Disposal Considerations

Disposal Instructions: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14 – Transportation Information

DOT Hazard Class: Not regulated by DOT

DOT Proper Shipping Name: Liquid Cleaning Compound, NOI

TDG Classification: Not controlled under TDG (Canada).

ICAO Status: Not regulated. **IMDG Status:** Not regulated.

Section 15 – Regulatory Information

TSCA Status

All ingredients are listed on the TSCA Chemical Inventory.

DSL/NDL: 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
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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)
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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
None	None
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	

WHMIS Classification: Not controlled under WHMIS (Canada).

Section 16 – Other Information

Hazard Ratings

Hazard Rating Scale:

Hazard Rating Scale:

4 = Extreme

3 = High

2 = Moderate

1 = Slight

0 = Insignificant

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0

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

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