

791 – Sterling Citrus Cleaner Multi-Purpose

Date: 3/23/2023

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier**

**Product Name** Sterling Citrus Cleaner Multi-Purpose

**Other Means of Identification**

**Product Code** 791

**Recommended Use of the Chemical and Restrictions on Use**

**Recommended Use** All-purpose cleaner and degreaser.  
**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 West 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**

Acute toxicity - Oral	Category 4
Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2

**Hazard Statements**

Harmful if swallowed  
Causes skin irritation  
Causes severe eye irritation

**Signal Word**

**WARNING**



**Appearance** Orange liquid

**Physical State** Liquid

**Odor** Orange Scent

**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  
 Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
 Keep container tightly closed  
 Take precautionary measures against static discharge

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

**IF SWALLOWED:** Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. Rinse mouth

**IN CASE OF FIRE:** Use CO<sub>2</sub>, dry chemical, or foam for extinction

**Precautionary Statements - Storage**

Store locked up in a 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.

<b>3. COMPOSITION/INFORMATION ON INGREDIENTS</b>
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Chemical Name	CAS No	Weight-%
Citrus Terpenes	5989-27-5	0 – 10
Diethylene Glycol Monobutyl Ether	112-34-5	0 - 5
Biodegradable Chelant	144538-83-0	0 - 5

<b>4. FIRST AID MEASURES</b>
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**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>	Flush immediately eyes thoroughly with water for at least 15 minutes. Get medical attention if irritation occurs.
<b>Ingestion</b>	Drink plenty of water or milk immediately. Do NOT induce vomiting. If symptoms persist, get medical attention.
<b>Skin Contact</b>	Wash with plenty of soap and water. Get medical attention if irritation occurs.

**Most Important Symptoms and Effects, both Acute and Delayed**

<b>Symptoms</b>	Harmful if swallowed. Irritation to skin and eyes. Irritation by inhalation. Prolonged or repeated exposure can cause drying, defatting, and dermatitis of skin.
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**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**                      Carbon monoxide.

**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**                      Absorb spilled material and sweep up.

**Environmental Precautions**              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.

**Methods for Cleaning Up**                Absorb spilled material and sweep up. Do not hose spills down drains, sewers, or waterways. Keep in suitable, closed containers for disposal.

**7. HANDLING AND STORAGE**

**Precautions for Safe Handling**

**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.

**Conditions for Safe Storage, Including any Incompatibilities**

**Storage Conditions**                      Store locked up. Store away from incompatible materials. Store in a well ventilated area. Keep container tightly closed.

**Incompatible Materials**                Strong oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Diethylene glycol monobutyl ether 112-34-5	TWA: 10 ppm		

### 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** Impervious gloves and clothing.

**Respiratory Protection** Under normal circumstances, no protective equipment is needed. .

**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>	Orange fragrance
<b>Appearance</b>	Orange liquid	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Orange		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	Not determined	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	Not determined	
Flash Point	Not Applicable.	
Evaporation Rate	1	Water = 1
Flammability (Solid, Gas)	N/A- Liquid	
Upper Flammability Limits	Not Applicable	
Lower Flammability Limit	Not Applicable	
Vapor Pressure	Not determined	
Vapor Density	Not determined	
Specific Gravity	0.99	
Water Solubility	Emulsifies	
Solubility in Other Solvents	Not Applicable	
Partition Coefficient	Not determined	
Auto ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Oxidizing Properties	Not determined	

## 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** Will not occur.

**Conditions to Avoid**

None known.

**Incompatible Materials**

Strong oxidizing agents.

**Hazardous Decomposition Products**

Carbon monoxide.

**11. TOXICOLOGICAL INFORMATION**

**Information on Likely Routes of Exposure**

**Product Information**

- Inhalation** Avoid breathing vapors or mists.
- Eye Contact** Causes severe eye irritation.
- Skin Contact** Causes skin irritation. May be harmful in contact with skin.
- Ingestion** Do not taste or swallow. Harmful if swallowed.

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Citrus Terpenes 5989-27-5	4400 mg/kg (Rat)	> 5 g/kg (Rabbit)	-
Diethylene glycol monobutyl ether 112-34-5	2410 mg/kg (Mouse)	2764 mg/kg (Rabbit)	>2.1 mg/l 4 h (Rat)

**Information on Physical, Chemical and Toxicological Effects**

**Symptoms** Irritating to skin.

**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 eye irritation.
- Carcinogenicity** No components of this product have been listed as carcinogens or potential carcinogens by ACGIH, IARC, NTP or OSHA.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Citrus Terpenes 5989-27-5		LC50: Pimephales promelas 0.619 - 0.796: 9 mg/L 96 h LC50 flow- through Oncorhynchus mykiss 35 mg/L 96 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.

## 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

<b>TSCA</b>	Listed
<b>DSL</b>	Listed
<b>NDSL</b>	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*

**US Federal Regulations**

**SARA 313**

No components of this product contain any chemical that require reporting under SARA Title III Section 313.

**US State Regulations**

**U.S. State Right-to-Know Regulations**

To the best of our knowledge no components of this product are found on any state lists.

**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
	1	0	0	Not determined
<b><u>HMIS</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical Hazards</b>	<b>Personal Protection</b>
	1	0	0	B

**Disclaimer**

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**End of Safety Data Sheet**