

# SAFETY DATA SHEET

## ECOFIRST LIME SAFE

### 1. Product and Company Identification

**Product Code:** 4658  
**Product Name:** ECOFIRST LIME SAFE  
**Revision:** 04/20/2023  
**Supersedes Revision:** 09/13/2022

**Manufacturer Information:** PDQ Manufacturing, Inc.  
 201 Victory Circle  
 Ellijay, GA 30540  
**Phone Number:** (706)636-1848  
**Web site address:** www.pdqonline.com

**Emergency Contact:** Chemtrec (800)424-9300 / 24 Hr.  
 Leak, Spill, Exposure, Fire, Accident

**Supplier Name and Address:** **Phone Number:**

### 2. Hazards Identification

Eye Irritation, Category 2



**GHS Signal Word:** **Warning**

**GHS Hazard Phrases:** H319 - Causes serious eye irritation.

**GHS Precautionary Phrases:** P264 - Wash hands thoroughly after handling.  
 P280 - Wear protective gloves and eye protection.

**GHS Response Phrases:** P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison control center or physician for treatment advice. Have product container or label with you when calling poison control center or physician.  
 P337+313 - If eye irritation persists, get medical advice/attention.

**GHS Storage and Disposal Phrases:** No phrases apply.

**Potential Health Effects (Acute and Chronic):**

**Inhalation:** No hazard expected in normal industrial use.

**Skin Contact:** Causes skin irritation.

**Eye Contact:** Causes eye irritation.

**Ingestion:** May be harmful if swallowed.

### 3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
77-92-9	Citric acid	<15.0 %

# SAFETY DATA SHEET

## ECOFIRST LIME SAFE

### 4. First Aid Measures

**Emergency and First Aid**
**Procedures:**

**In Case of Inhalation:** If breathed in, move person into fresh air.

**In Case of Skin Contact:** If irritation develops, get medical aid. Wash off with soap and plenty of water.

**In Case of Eye Contact:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**In Case of Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**Signs and Symptoms Of Exposure:**

Vomiting, Diarrhea. Damage to tooth enamel. Dermatitis.

### 5. Fire Fighting Measures

**Flash Pt:** > 195.00 F

**Explosive Limits:** LEL: UEL:

**Autoignition Pt:**

**Suitable Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.

**Fire Fighting Instructions:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Material will not burn.

**Flammable Properties and Hazards:**

### 6. Accidental Release Measures

**Steps To Be Taken In Case Material Is Released Or Spilled:** Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Personal precautions.

Use personal protective equipment. Ensure adequate ventilation.

Environmental precautions.

Do not let product enter drains.

Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

### 7. Handling and Storage

**Precautions To Be Taken in Handling:** No special handling procedures are required. Avoid contact with skin and eyes. Normal measures for preventive fire protection.

**Precautions To Be Taken in Storing:** No special storage requirements.

### 8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
77-92-9	Citric acid			
<b>Respiratory Equipment (Specify Type):</b>	Respirator protection is not normally required.			
<b>Eye Protection:</b>	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.			
<b>Protective Gloves:</b>	Handle with gloves.			
<b>Other Protective Clothing:</b>	Protective garments not normally required.			
<b>Engineering Controls (Ventilation etc.):</b>	There are no special ventilation requirements.			

# SAFETY DATA SHEET

## ECOFIRST LIME SAFE

**Work/Hygienic/Maintenance Practices:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

### 9. Physical and Chemical Properties

**Physical States:** [ ] Gas [X] Liquid [ ] Solid

**Appearance and Odor:** Clear tan liquid  
Mild odor.

**Melting Point:**

**Boiling Point:**

**Autoignition Pt:**

**Flash Pt:** > 195.00 F

**Explosive Limits:** LEL: UEL:

**Specific Gravity (Water = 1):** ~ 1.05

**Vapor Pressure (vs. Air or mm Hg):**

**Vapor Density (vs. Air = 1):**

**Evaporation Rate:**

**Solubility in Water:** Complete

**Viscosity:** Thin

**pH:** ~ 2.8 @ 1%

**Percent Volatile:**

### 10. Stability and Reactivity

**Stability:** Unstable [ ] Stable [X]

**Conditions To Avoid - Instability:** No data available.

**Incompatibility - Materials To Avoid:** Chlorine Bleach, Oxidizing agents, Bases.

**Hazardous Decomposition or Byproducts:** Carbon oxides.

**Possibility of Hazardous Reactions:** Will occur [ ] Will not occur [X]

**Conditions To Avoid - Hazardous Reactions:**

# SAFETY DATA SHEET

## ECOFIRST LIME SAFE

### 11. Toxicological Information

**Toxicological Information:**

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
77-92-9	Citric acid	n.a.	n.a.	n.a.	n.a.

### 12. Ecological Information

<b>Persistence and Degradability:</b>	No data available.
<b>Bioaccumulative Potential:</b>	No data available.
<b>Mobility in Soil:</b>	No data available.

### 13. Disposal Considerations

<b>Waste Disposal Method:</b>	Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. RCRA P-Series: None listed. RCRA U-Series: None listed.
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### 14. Transport Information

**LAND TRANSPORT (US DOT):**

<b>DOT Proper Shipping Name:</b>	Not regulated as a hazardous material.
<b>DOT Hazard Class:</b>	
<b>UN/NA Number:</b>	

### 15. Regulatory Information

**EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists**

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
77-92-9	Citric acid	No	No	No

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
77-92-9	Citric acid	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No

### 16. Other Information

<b>Revision Date:</b>	04/20/2023
<b>Preparer Name:</b>	Regulatory Affairs

<b>Hazard Rating System:</b>	<b>HEALTH</b>	1
	<b>FLAMMABILITY</b>	0
	<b>REACTIVITY</b>	0
	<b>PPE</b>	B
<b>HMIS:</b>		

**Additional Information About This Product:**

<b>Company Policy or Disclaimer:</b>	The information contained in this Safety Data Sheet is provided pursuant to current OSHA regulations to convey information concerning the hazardous nature of the named product. The information supplied was compiled from the most reliable sources available at the time of preparation and in light of the most reasonable foreseeable exposure situations expected from the intended use of this product. The material(s) may present greater or lesser hazard exposure under other circumstances that are beyond the control
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of the manufacturer. Therefore it is imperative that all directions and warnings on the product label be read and closely followed.