

## 1. IDENTIFICATION

### Product Identifier

**Product Name** Citric Acid 410-2

### Other means of identification

**SDS #** 410-2

### Recommended use of the chemical and restrictions on use

**Recommended Use** For Further Manufacturing Use Only'  
Not for Human or Animal Drug Use

### Details of the supplier of the safety data sheet

#### **Supplier Address**

Newline Industries LLC  
1030 West Amelia Street  
Suite D  
Orlando, FL 32805

### Emergency Telephone Number

**Company Phone Number** 407-480-5464  
**Emergency Telephone (24 hr)** 800-535-5053 Infotrac

## 2. HAZARDS IDENTIFICATION

### GHS - Classification

**Classification** Skin Irritant 2 Eye Irritant 2 Respiratory Sensitizer 1 Skin Sensitizer 1

**Signal Word** Danger



**Hazard Statements** Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled

**Precautionary Statements** Wear protective gloves/protective clothing/eye protection/face protection. IF ON SKIN: Wash with plenty of soap and water. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	EC No.	REACH Reg. No.	CAS-No.	Weight %	Classification
Citric Acid, Monohydrate	-	Not available	5949-29-1	95-100	-

### 4. FIRST-AID MEASURES

#### First Aid Measures

<b>Eye Contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Skin Contact</b>	Wash off immediately with plenty of water removing all contaminated clothes and shoes..
<b>Inhalation</b>	Remove to fresh air. If breathing becomes difficult, give oxygen.
<b>Ingestion</b>	Clean mouth with water and drink afterwards plenty of water.
<b>Notes to Physician</b>	Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

Flammable Properties	Not flammable
Flash Point	Not determined
Suitable Extinguishing Media	Dry chemical, CO2, water spray or regular foam
Hazardous Combustion Products	Carbon oxides
<u>Explosion Data</u>	
Sensitivity of Mechanical Impact	Not sensitive
Sensitivity to Static Discharge	Not sensitive
Protective Equipment and Precautions to 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

<b>Personal Precautions</b>	Avoid contact with skin, eyes and clothing. Use personal protective equipment. Ensure adequate ventilation.
<b>Methods for Containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for Cleaning Up</b>	Avoid dust formation. Pick up and transfer to properly labeled containers. Ventilate area and wash spill site after material pickup is complete.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Handle in accordance with good industrial hygiene and safety practice.
<b>Storage</b>	Keep containers tightly closed in a dry, cool and well-ventilated place.
<b>Incompatible Products</b>	Oxidizing agents. Bases. Reducing agents. Nitrites.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Citric Acid, Monohydrate 5949-29-1			-

<b>Engineering Measures</b>	Showers Eyewash stations Ventilation systems
-----------------------------	--

### Personal Protective Equipment

Eye/Face Protection	Tightly fitting safety goggles
Skin and Body Protection	Wear protective gloves/clothing
Respiratory Protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local Regulations.

<b>Hygiene Measures</b>	Handle in accordance with good industrial hygiene and safety practice.
-------------------------	--

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	White
<b>Odor</b>	No information available
<b>Odor Threshold</b>	No information available
<b>Decomposition Temperature C</b>	No information available
<b>Freezing Point</b>	No information available
<b>Initial Boiling Point</b>	No information available
<b>Physical State</b>	Granular or powder
<b>pH</b>	2.2
<b>Flash Point</b>	Not determined
<b>Autoignition Temperature</b>	No data available
<b>Boiling Point/Range</b>	175 deg C
<b>Melting Point/Range</b>	100 deg C
<b>Flammability Limits in Air</b>	<b>Upper</b> No data available <b>Lower</b> No data available
<b>Explosive Properties</b>	No information available
<b>Oxidizing Properties</b>	No information available
<b>Evaporation Rate</b>	No data available
<b>MMHG @ 37.8 deg C</b>	No data available

---

<b>Vapor Density</b>	No data available
<b>Specific Gravity</b>	1.542
<b>Solubility</b>	Freely soluble
<b>Partition Coefficient (n-octanol/water)</b>	No data available
<b>Viscosity</b>	No information available

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under recommended storage conditions
<b>Incompatible Products</b>	Oxidizing agents. Bases. Reducing agents. Nitrites.
<b>Conditions to Avoid</b>	None known based on information supplied
<b>Hazardous Decomposition Products</b>	Carbon oxides
<b>Hazardous Polymerization</b>	Hazardous polymerization does not occur

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

**Product information** Irritating to eye, skin and respiratory system. Sensitizer.

### Chronic Toxicity

**Chronic Toxicity** No known effect based on information supplied.

**Target Organ Effects** None known.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

The environmental impact of this product has not been fully investigated.

## 13. DISPOSAL CONSIDERATIONS

<b>Waste Disposal Method</b>	Dispose of material in accordance with all federal, state, and local regulations.
<b>Contaminated Packaging</b>	Dispose of in accordance with all federal, state and local regulations.

## 14. TRANSPORT INFORMATION

<b><u>IATA</u></b>	Not regulated.
<b><u>DOT</u></b>	Not regulated

## 15. REGULATORY INFORMATION

**REACH Title VII Restrictions** No information available.

Chemical Name	Dangerous Substances	Organic Solvents	Harmful Substances Whose Names Are to be Indicated on the Label	Pollution Release and Transfer Registry (Class II):	Pollution Release and Transfer Registry (Class I):	Poison and Deleterious Substances Control Law:
Citric Acid, Monohydrate	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Component	ISHA - Harmful Substances Prohibited for Manufacturing, Importing, Transferring, or Supplying	ISHA - Harmful Substances Requiring Permission	Toxic chemical Classification Listing (TCCL) - Toxic Chemicals	Toxic Release Inventory (TRI) - Group I	Toxic Release Inventory (TRI) - Group II
Citric Acid, Monohydrate 5949-29-1 (95-100)	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

### International Inventories

<b>TSCA</b>	Does not Comply
<b>EINECS/ELINCS</b>	Does not Comply
<b>ENCS</b>	Does not Comply
<b>IECSC</b>	Does not Comply
<b>KECL</b>	Does not Comply
<b>PICCS</b>	Does not Comply
<b>AICS</b>	Does not Comply

### U.S. Federal Regulations

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

#### **SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	No

#### **Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFE 122.21 and 40 CFE 122:32).

#### **Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 50 CFE 61)**

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990.

#### **CERCLA**

**U.S. State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**International Regulations****Mexico - Grade**

No information available

**Canada****WHMIS Hazard Class**

D2B Toxic materials

D2A Very toxic materials

**16. OTHER INFORMATION**

**Issuing Date** 01-June-2015

**Revision Date** 01-June-2015

**Revision Note**

No information available

**Recommended Restrictions**

No information available

**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**