

SAFETY DATA SHEET
Creation Date: 7-19-2019

SECTION: 1.1 PRODUCT IDENTIFICATION

Product Name: Citric Acid, Citric Acid Anhydrous
Synonyms: *Acido 2-Hydroxy-1,2,3-Propanetricarboxylic. Aciletten. Acido beta-Hydroxytricarballic. Citrate. Citretten. Citronensaeure. NSC 30279. Acido 2-hydroxypropane-1,2,3-tricarboxylic. E 330.*
Use of the Substance / Preparation Food additive
CAS #: 77-92-9

SECTION: 1.2 COMPANY IDENTIFICATION

Company: Essential Depot Greener Life Essentials
2029 US Hwy 27 S
Sebring, Florida 33870
Phone: 866-840-2495
Emergency Phone: CHEMTREC, Inside the USA: **1-800-424-9300**

SECTION: 2. Hazard(s) identification

Principle Routes of Exposure: Eye contact, Skin contact, Inhalation, Ingestion.

Acute Effects
Eyes Contact with eyes may cause irritation.
Skin Avoid contact with skin. Prolonged skin contact may cause skin irritation.
Inhalation May cause irritation of respiratory tract.
Ingestion Ingestion may cause irritation to mucous membranes.

Chronic Effects: Avoid repeated exposure.

Aggravated Medical Conditions: No information available.

SAFETY DATA SHEET

Creation Date: 7-19-2019

SECTION: 3. Composition/information on ingredients

Chemical Family: Acids

The following component(s) in this product are considered hazardous under applicable OSHA (USA), WHMIS (Canada), and/or NOM-002-SCT-2003 (Mexico) regulations

Chemical name	CAS-No	Weight %	North American Hazard Indicator
Citric acid	77-92-9	99-100	yes

SECTION: 4. FIRST AID MEASURES

General Advice:	If symptoms persist, call a physician. Show this safety data sheet to the doctor in attendance.
Eye Contact:	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eyes wide open while rinsing. If symptoms persist, call a physician.
Skin Contact:	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.
Inhalation:	Move to fresh air.
Ingestion:	Clean mouth with water and afterwards drink plenty of water.
Notes to Physician:	Treat symptomatically.
Protection of First-aiders:	Use personal protective equipment.

SECTION: 5. FIRE FIGHTING MEASURES

Flammable Properties:	Fine dust dispersed in air may ignite.
Suitable Extinguishing Media:	Dry chemical. Carbon dioxide (CO2). Water spray. Foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable Extinguishing Media:	No information available.

SAFETY DATA SHEET

Creation Date: 7-19-2019

Hazardous Combustion Products:

Carbon monoxide (CO), Carbon dioxide (CO₂) , Thermal decomposition can lead to release of irritating gases and vapours.

Explosion Data

Sensitivity to mechanical impact:

No

Sensitivity to static discharge:

No

Specific Hazards Arising from the Chemical:

None known

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.

NFPA:

Health: 1

Stability & Reactivity: 0

Flammability: 1

Physical hazard:



SECTION: 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Use personal protective equipment.

Environmental Precautions:

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

Methods for Clean-up:

Pick up and transfer to properly labelled containers. Avoid dust formation. Keep in suitable, closed containers for disposal.

SECTION: 7. HANDLING AND STORAGE

SAFETY DATA SHEET

Creation Date: 7-19-2019

Handling:	Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Do not breathe vapours/dust. Use only in area provided with appropriate exhaust ventilation. Avoid dust formation in confined areas. Fine dust dispersed in air may ignite.
Storage:	Store below 75°F and 55% relative humidity in tightly sealed container, well-ventilated place. Keep in properly labelled containers.
Shelf Life:	This product is very stable and has been given a 3 year "Best by" date.

SECTION: 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits:	This product is not known to contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
Engineering Measures:	Ensure adequate ventilation, especially in confined areas.
Eye/face Protection:	Tightly fitting safety goggles.
Skin and Body Protection:	Long sleeved clothing, Boots, Impervious gloves.
Respiratory Protection:	Breathing apparatus with filter.
General Hygiene Considerations:	When using, do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing.

SECTION: 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White Colorless
Odor:	Odorless
Odor threshold:	Not available
Physical State:	Solid Powder
Flash Point:	345°C / 653°F
Autoignition Temperature:	1010°C / 1850°F
Boiling point:	Not available
Melting/Freezing Point:	153°C / 307°F
Flammability Limits in Air:	Not available
Explosion Limits	Not Available

SAFETY DATA SHEET

Creation Date: 7-19-2019

pH: 2.1
Vapor Pressure: Not Available
Water Solubility: Soluble
Specific Gravity Not Available
Evaporation Rate: Not Available
Vapor Density: Not Available
Density: 1.665

SECTION: 10. STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions.
Conditions to Avoid: Incompatible products.
Incompatible Materials: Amines. Heavy metals. Strong oxidizing agents. Strong bases.
Hazardous Decomposition Products: No information available.
Possibility of Hazardous Reactions Hazardous polymerization does not occur.

SECTION: 11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information

LD50 Oral: 3000(rat) mg/kg
LD50 Dermal: No information available
LC50 Inhalation: No information available

Toxicology data for the components

Chemical Name	Weight %	LD50 Oral	LD50 Dermal	LC50 Inhalation
Citric acid	99-100	3000 mg/kg Rat		

Chronic Effects:

Carcinogenicity: There are no known carcinogenic chemicals in this product.

SAFETY DATA SHEET

Creation Date: 7-19-2019

OSHA: (Occupational Safety & Health Administration)	Not Listed
ACGIH: (American Conference of Governmental Industrial Hygienists)	Not Listed
NTP: (National Toxicity Program)	Not Listed
Mexico: (Official Mexican Norm NOM-010-STPS-1999)	Not Listed
IARC: (International Agency for Research on Cancer)	Not Listed
Subchronic Toxicity:	No information available.
Corrosivity:	Corrosive to metals (as aqueous solution).
Neurological Effects:	No information available.
Reproductive Effects:	No information available.
Teratogenicity:	No information available.
Irritation:	No information available.
Sensitization:	No information available.
Mutagenic Effects:	No information available.
Developmental Effects:	No information available.
Target Organ Effects:	No information available.

SECTION: 12. ECOLOGICAL INFORMATION

Ecotoxicity:
Environmental properties.

Chemical Name	Acute Fish Toxicity	Daphnia (Water flea)	Fresh Water Algae
Citric acid	96 Hr LC50 Lepomis macrochirus: 1516 mg/L [static]	72 Hr EC50 Daphnia magna: 120 mg/L	

Chemical Name	Weight %	log Pow
Citric acid	99-100	-1.72

SAFETY DATA SHEET

Creation Date: 7-19-2019

Persistence/Degradability: Readily biodegradable.
Bioaccumulation/ Accumulation: No information available.
Mobility: Soluble.

SECTION: 13. DISPOSAL CONSIDERATION

Waste Disposal Methods: Hazardous waste. Dispose of in compliance with the laws and regulations pertaining to this product in your jurisdiction.
Contaminated Packaging: Empty containers should be taken for local recycling, recovery or waste disposal.

SECTION: 14. TRANSPORT INFORMATION

DOT: Not regulated.
TDG: Not regulated.
MEX: Not regulated.
ICAO: Not regulated.
IATA: Not regulated.
IMDG/IMO: Not regulated.

SECTION: 15. REGULATORY INFORMATION

International Inventories

The components of this product are reported in the following inventories:

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	AICS	ENCS	CHINA	PICCS	KECL	NZLoC
Citric acid	Yes	Yes	No	Yes 201-069-1	No	Yes	Yes 2-1318	Yes	Yes	Yes KE-20831	Yes

Legend: TSCA - Toxic Substances Control Act, Section 8(b) Inventory (USA). DSL - Domestic Substance List (Canada). NDSL - Non Domestic Substances List (Canada). EINECS - European Inventory of Existing Commercial Chemical Substances (EU). ELINCS - European List of Notified Chemical Substances (EU). AICS - Australian Inventory of Chemical Substances (Australia). ENCS - Existing and New Chemical Substances (Japan). CHINA - Chinese Inventory of Existing Chemical Substances (China). PICCS - Inventory of Chemicals and Chemical Substances (Philippines). KECL - Korean Existing and Evaluated Chemical Substances (Korea). NZLoC - New Zealand Inventory of Chemicals (New Zealand)

SAFETY DATA SHEET
Creation Date: 7-19-2019

USA - Federal Regulations

Ozone Depleting Substances: No Class I or Class II material is known to be used in the manufacture of, or contained, in this product.

SARA 313: Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product is not known to contain any chemicals which are subject to the reporting requirements of the Act or regulations contained in 40 CFR 372.

SARA 311/312 Hazardous Categorization:

Acute Health Hazard	Yes [®]
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product is not known to contain any HAPs.

State Regulations - California Proposition 65:

Proposition 65 chemicals are not expected to be found in this product above those naturally present in their agricultural source.

Proposition 65 exempts naturally occurring listed chemicals from an obligation to label.

State Right-to-Know:

No known components subject to "Right-To-Know" legislation in the following States:

Chemical Name	Weight %	Illinois	Massachusetts	New Jersey	Pennsylvania	Rhode Island
Citric acid	99-100	No	No	No	No	No

Canada

WHMIS Product Classification: Class E: Corrosive Material.

WHMIS Ingredient Disclosure List IDL: Component Information

Chemical Name	Weight %	WHMIS IDL	Threshold limits
Citric acid	99-100	Listed	1 %

(NPRI) Canadian National Pollutant Release Inventory: No known component is listed on NPRI.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

Mexico

Mexico – Grade: Slight risk, Grade 1

SAFETY DATA SHEET
Creation Date: 7-19-2019

SECTION: 16. OTHER INFORMATION

Revision Date: July 19, 2019
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