

**I. PRODUCT AND COMPANY IDENTIFICATION**

Company:	Natural Advantage, LLC	Address:	1050 Cypress Creek Road Oakdale, Louisiana 71463
Telephone:	318-215-1456	Fax:	318-335-1579
Product Name:	Succinic Acid, Natural	Chemical Name:	Butanedioic Acid
Product Number:	NA1059		

<b>EMERGENCY 24 HOUR CONTACT: ChemTrec</b>	<b>1-800-424-9300 Contract # 219030</b>
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**II. HAZARDS IDENTIFICATION**

2.1 Classification of the substance or mixture  
 Classification according to Regulation (EC) No. 1272/2008 [EU-GHS/CLP]  
 Serious eye damage Category 1

**NFPA Hazard Rating:** Health: 2 Fire: 0 Reactivity: 0

**Labeling according to Regulation (EC) No 1272/2008 [CLP]:**

Pictogram:



**Signal word:** Danger  
**Hazard statement:**  
 H318 Causes serious eye damage

**Precautionary statements:**

P280 Wear eye protection/ face protection.  
 P305+P351+P338+P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

**III. COMPOSITION/INFORMATION ON INGREDIENTS**

Product Name:	Succinic Acid, Natural	Chemical Name:	Butanedioic Acid
Synonyms:	1,4-butanedioic acid	CAS#:	110-15-6
Formula:	C4H6O4	EINECS#:	203-740-4
Molecular Wt.:	118.09 g/mol		

**IV. FIRST AID MEASURES**

Inhalation	Remove from the exposure to fresh air. Contact a physician as necessary. If breathing is irregular or has stopped, start resuscitation and administer oxygen if available.
Eye Contact	Flush immediately with clean water for at least 15 minutes. Contact a physician if irritation persists.
Skin Contact	Remove any contaminated clothing or shoes. Wash affected areas thoroughly with soap and water. If irritation persists, contact a physician.
Ingestion	Do NOT induce vomiting. Give water to dilute. Contact a physician immediately.

**V. FIRE-FIGHTING MEASURES**

Flashpoint (Method Used):	Information Not Applicable
Lower Flammable Limit (% by Volume):	Information Not Applicable
Upper Flammable Limit (% by Volume):	Information Not Applicable
Extinguishing Media:	Water spray, Alcohol-resistant foam, dry chemical or carbon dioxide.
Special Fire Fighting Procedures:	Self-contained breathing apparatus and protective clothing should be worn when fighting fires involving chemicals.
Unusual Fire and Explosion Hazards:	None
<b>NFPA Hazard Rating:</b>	Health: 2 Fire: 0 Reactivity: 0

**VI. ACCIDENTAL RELEASE MEASURES**

Steps to be taken in case material is released or spilled.	Eliminate all ignition sources. Ventilate area. Contain spill and recover free product. Report spill to appropriate authorities if required. Avoid breathing vapor, mist, or gas. Avoid dust formation.
Waste Disposal Method	Place material into sealed containers and dispose of in accordance with current applicable laws and regulations. Pick up and arrange disposal without creating dust. Do not let product enter drains.

**VII. PRECAUTIONS FOR SAFE HANDLING AND USE**

Precautions to be taken in handling and storing.	Avoid inhalation and contact with skin and eyes. Good personal hygiene practices should be used. Wash after any contact, before breaks and meals, and at the end of the work period. Contaminated clothing and shoes should be cleaned before re-use. Good manufacturing practices dictate that an eyewash fountain and/or safety shower should be available in the work area.
Other Precautions:	None.

**VIII. CONTROL MEASURES**

Occupational Exposure Limits:	Contains no substances with occupational exposure limit values
Respiratory Protection:	None generally required. If desired use NIOSH approved respirator.
Ventilation:	Local exhaust meeting ACGIH criteria as needed.
Protective Gloves:	Use chemical resistant gloves.
Protective Eyewear:	Use splash goggles or face shield when eye contact might occur.
Other Protective Clothing or Equipment:	Suit protecting against exposure to chemicals.

**IX. PHYSICAL AND CHEMICAL PROPERTIES**

Boiling Point:	235°C (455°F)	Specific Gravity (H <sub>2</sub> O = 1):	Information Not Applicable
Vapor Pressure (mm Hg):	Information Not Available	Flash Point:	Information Not Applicable
Vapor Density (AIR =1):	Information Not Available	Melting Point:	185-190°C
Solubility in Water:	Soluble	Evaporation Rate:	Information Not Available
pH:	Information Not Available	Color:	White to Off-White
Flammability (solid, gas):	Information Not Available	Oxidizing properties:	Information Not Available
Upper/lower flammability or explosive limits:	Information Not Available	Odor:	Odorless
Autoignition temperature:	Information Not Available	Partition coefficient:	Information Not Available
Viscosity:	Information Not Available	Decomposition temperature:	Information Not Available
Appearance:	Crystalline powder	Explosive properties:	Information Not Available

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customerservice@natadv.com

**X. REACTIVITY DATA**

Stability:	Chemically Stable under recommended storage conditions.	Conditions to Avoid: Information Not Available
Incompatibility with other Substance (Materials to Avoid):	Bases, Strong oxidizing agents, Reducing agents	
Hazardous Decomposition or Byproducts:	Carbon Oxides	
Hazardous Polymerization:	No	

**XI. TOXICOLOGICAL INFORMATION**

Acute toxicity: LD50 – Oral – Rat – 2,260 mg/kg	Mild irritation 24 h Information Not Available	Skin corrosion/irritation: Respiratory or skin sensitization: Reproductive toxicity: Specific target organ toxicity (repeated exposure):	May be harmful May be harmful Information Not Available Information Not Available
Serious eye damage/eye irritation: Germ cell mutagenicity: Specific target organ toxicity (single exposure): Aspiration hazard:	Information Not Available Information Not Available Information Not Available May be harmful		
Carcinogenicity:	Succinic Acid is not listed as carcinogenic by IARC, ACGIH, NTP, or OSHA.		

**XII. ECOLOGICAL INFORMATION**

Toxicity:	Information Not Available	Persistence and Degradation:	Information Not Available
Bioaccumulative potential:	Information Not Available	Mobility in soil:	Information Not Available
PBT and vPvB assessment:	Information Not Available	Other adverse effects:	Information Not Available

**XIII. DISPOSAL CONSIDERATIONS**

Product:	Observe all federal, state, and local environmental regulations in disposing this material.
Contaminated packaging:	Dispose of as unused product.

**XIV. TRANSPORTATION INFORMATION**

DOT (US) Proper Shipping Name:	UN Number: Not Regulated Information Not Applicable	Class: Information Not Applicable Marine pollutant: No	Packing Group: Information Not Applicable Poison Inhalation Hazard: No
IMDG Proper Shipping Name:	UN Number: Not Regulated Information Not Applicable	Class: Information Not Applicable Marine pollutant: No	Packing Group: Information Not Applicable
IATA Proper Shipping Name:	UN Number: Not Regulated Information Not Applicable	Class: Information Not Applicable	Packing Group: Information Not Applicable

**XV. REGULATORY INFORMATION**

OSHA Hazards	Irritant
US Federal	TSCA: CAS# 110-15-6 is listed on the TSCA Inventory California Prop. 65: This product does not contain any chemicals known to cause cancer, birth defects, or any other reproductive harm.
SARA 311/312	Acute Health Hazard
Regulation	Complies with EC 1272/2008.

**XVI. OTHER INFORMATION**

Creation Date:	01/07/2011
Revision #:	7
Revision Date:	26-Feb-2021
Liability Statement:	The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Natural Advantage, LLC shall not be held liable for any damage resulting from handling or from contact with the above product.