

Product: COCONUT PALM SUGAR	Charkit Product Code: 1304492042	Document Date: 03/20/2015
---------------------------------------	--------------------------------------------	-------------------------------------

1 - IDENTIFICATION OF SUBSTANCE / MIXTURE AND OF SUPPLIER

- 1. Product Identifier:** Coconut Palm Sugar
- 2. Synonyms:** Xylitol
- 3. Other means of identification:** CAS No. 87-99-0; EINECS No: 201-788-0
- 4. Recommended use of the chemical and restrictions on use:** Food Additive, Functional sweeteners
- 5. Supplier Details:**



For chemical emergencies, call Chemtrec at:
800-424-9300 (US) / +1-703-527-3887 (International)

2 - HAZARDS IDENTIFICATION

- 1. OSHA Hazards:** No OSHA hazards
- 2. NFPA**

This information is believed to be accurate and is intended for general guidance. It should not be construed as a guarantee of its suitability for a particular application. Charkit Chemical Company, LLC. offers no warranties either expressed or implied, nor is freedom from any patent owned by Charkit Chemical Company, LLC. or others implied; neither is liability accepted for errors or omissions in the information. Typical properties of products are given for guidance only and do not necessarily represent manufacturing specifications.

3. GHS Classification(s):

Not a dangerous substance/mixture according to GHS standards. Other hazards which do not result in classification:

3 - COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical identity: Xylitol

Common name / Synonym / INCI name: Xylitol

CAS#	Component	Percent
87-99-0	Assay (on dry basis)	98.5-101%
7732-18-5	Water	≤0.5%

EINECS number: 201-788-0

4 – FIRST AID MEASURES

1. First Aid: Eyes

Immediately flush eyes with sufficient amount of water. Seek medical attention if irritation persists.

2. First Aid: Skin

For skin contact, wash with soap and water. If irritation develops or persists, seek medical attention.

3. First Aid: Ingestion

If material is swallowed in large amounts, get medical attention. Do not induce vomiting unless directed to do so by medical personnel.

4. First Aid: Inhalation

If respiratory irritation occurs upon inhalation, remove to fresh air. Seek medical attention if symptoms develop or persist.

5. First Aid: Notes to Physician

None.

This information is believed to be accurate and is intended for general guidance. It should not be construed as a guarantee of its suitability for a particular application. Charkit Chemical Company, LLC. offers no warranties either expressed or implied, nor is freedom from any patent owned by Charkit Chemical Company, LLC. or others implied; neither is liability accepted for errors or omissions in the information. Typical properties of products are given for guidance only and do not necessarily represent manufacturing specifications.

5 - FIRE-FIGHTING MEASURES

- | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. Flash Point:
Not applicable | 2. Method Used:
Not applicable |
| 3. Upper Flammable limit (UFL):
Not applicable | 4. Lower Flammable Limit (LFL):
Not applicable |
| 5. Auto Ignition:
Not available | 6. Flammability Classification:
Non - flammable |
| 7. Rate of Burning:
Not available | 8. General Fire Hazards:
Product is a powder solid which will not burn. |
| 9. Hazardous Combustion Products:
Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. | 10. Extinguishing Media:
Use media suitable for Surrounding fire. |
| 11. Fire Fighting Equipment/Instructions:
Firefighters should wear full protective clothing including self-contained breathing apparatus. | 12. NFPA Ratings:
Health: 0 Fire: 0 Reactivity: 0 Other:
(Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe) |

6 - ACCIDENTAL RELEASE MEASURES

- 1. Containment Procedures**
Contain the discharged material.
- 2. Clean-Up Procedures**
Wear appropriate protective equipment and clothing during clean-up. Absorb spilled material with inert absorbent material.
- 3. Evacuation Procedures**

This information is believed to be accurate and is intended for general guidance. It should not be construed as a guarantee of its suitability for a particular application. Charkit Chemical Company, LLC. offers no warranties either expressed or implied, nor is freedom from any patent owned by Charkit Chemical Company, LLC. or others implied; neither is liability accepted for errors or omissions in the information. Typical properties of products are given for guidance only and do not necessarily represent manufacturing specifications.

None necessary.

4. Special Procedures
None.

7 - HANDLING AND STORAGE

- 1. Handling Procedures**
Avoid prolonged or repeated skin contact with this material. Avoid getting this material into contact with your eyes. Wash thoroughly after handling.
- 2. Storage Procedure**
Keep container tightly closed and store at room temperature.

8 - EXPOSURE CONTROL / PERSONAL PROTECTION

- 1. Exposure Guidelines**
 - A. General Product Information**
Exposures should be minimized in accordance with good industrial hygiene practices.
 - B. Component Exposure Limits**
ACGIN, OSHA, and NIOSH have not developed exposure limits for any of this product's components.
- 2. Engineering Controls**
Ventilation should be sufficient to effectively remove and prevent buildup of vapors or mists generated during handling.
- 3. PERSONAL PROTECTIVE EQUIPMENT**
 - Personal Protective Equipment: Eyes / Face**
Wear appropriate eye protection.
 - Personal Protective Equipment: Skin**
Wear impervious gloves for prolonged contact.
 - Personal Protective Equipment: Respiratory**
If ventilation is not sufficient to effectively remove and prevent buildup of vapors or mists, appropriate NIOSH approved respiratory protection should be provided.

This information is believed to be accurate and is intended for general guidance. It should not be construed as a guarantee of its suitability for a particular application. Charkit Chemical Company, LLC. offers no warranties either expressed or implied, nor is freedom from any patent owned by Charkit Chemical Company, LLC. or others implied; neither is liability accepted for errors or omissions in the information. Typical properties of products are given for guidance only and do not necessarily represent manufacturing specifications.

9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White powder

Odor: None

Physical State: solid

PH (10% solution): 5-7

Vapor Pressure: Not available

Vapor Density: Not available

Boiling Point: Not available

Melting Point: 92°C—96°C

Solubility (H2O): Soluble

Specific Gravity: 0.55-0.95g/ml

Freezing Point: Not available

Particle Size: Mesh 20--150

Softening Point: Not applicable

Evaporation Rate: Not available

Viscosity: Not available

Bulk Density: Not available

Percent Volatile: Not available

Molecular Weight: 152.15

Physical Properties:

None.

10 – CHEMICAL STABILITY AND REACTIVITY INFORMATION

1. **Chemical Stability**
Stable

2. **Chemical Stability: Conditions to avoid**
None

3. **Incompatibility**
This product may react with oxidizing agents.

4. **Hazardous Decomposition**
Upon decomposition, this product emits carbon monoxide, carbon, dioxide and/or low molecular weight hydrocarbons.

5. **Hazardous Polymerization**
Hazardous polymerization will not occur.

11 - TOXICOLOGICAL INFORMATION

This information is believed to be accurate and is intended for general guidance. It should not be construed as a guarantee of its suitability for a particular application. Charkit Chemical Company, LLC. offers no warranties either expressed or implied, nor is freedom from any patent owned by Charkit Chemical Company, LLC. or others implied; neither is liability accepted for errors or omissions in the information. Typical properties of products are given for guidance only and do not necessarily represent manufacturing specifications.

1. Acute Toxicity

A: General Product Information

No data available for this product.

B: Component Analysis - LD50 / LC50

No LD50 / LC50's are available for this product's components.

2. Carcinogenicity

A: General Product Information

No carcinogenicity data available for this product.

B: Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

3. Epidemiology

No epidemiological data is available for this product.

4. Neurotoxicity

No data available for this product.

5. Mutagenicity

No data available for this product.

6. Teratogenicity

No data available for this product.

7. Other Toxicological Information

None available.

12 - ECOLOGICAL INFORMATION

1. Ecotoxicity

No data available for this product.

2. Environmental Fate

No data available for this product..

This information is believed to be accurate and is intended for general guidance. It should not be construed as a guarantee of its suitability for a particular application. Charkit Chemical Company, LLC. offers no warranties either expressed or implied, nor is freedom from any patent owned by Charkit Chemical Company, LLC. or others implied; neither is liability accepted for errors or omissions in the information. Typical properties of products are given for guidance only and do not necessarily represent manufacturing specifications.

13 - DISPOSAL CONSIDERATIONS

1. US EPA Waste Number & Descriptions

A: General Product Information

Empty container retains product residue. Do not distribute, make available, furnish or reuse empty container except for storage and shipment of original product. Empty container, remove all product residue. Puncture or otherwise destroy empty container before disposal.

B: Component Waste Numbers

No EPA Waste numbers are applicable for this product's components.

2. Disposal Instructions

All wastes must be handled in accordance with local, state and federal regulation.

14 - TRANSPORTATION INFORMATION

US DOT Information

Shipping Name: Not regulated

Hazard Class: Not regulated

UN/NA#: None

Packing Group: None

Required Label (s): None

Additional Info: None

IMDG: THIS GOODS ARE NO DAMAGE FOR OCEAN TRANSPORTATION International Transportation Regulations:

Not regulated as dangerous goods.

15 - REGULATORY INFORMATION

1. US Federal Regulations

A: General Product Information

No information available

B: Component Analysis

This information is believed to be accurate and is intended for general guidance. It should not be construed as a guarantee of its suitability for a particular application. Charkit Chemical Company, LLC. offers no warranties either expressed or implied, nor is freedom from any patent owned by Charkit Chemical Company, LLC. or others implied; neither is liability accepted for errors or omissions in the information. Typical properties of products are given for guidance only and do not necessarily represent manufacturing specifications.

None of this products components are listed under SARA Section 302(40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

2. State Regulations

A: General Product Information

No information available

B: Component Analysis - State

None of this products components are listed on the state lists from CA, FL, MA, MN, NJ, or PA.

3. Other Regulations

A: General Product Information

All ingredients are NOT confirmed on the TSCA Chemical Substance Inventory.

FOR TSCA - EXEMPT PURPOSES ONLY!

B: Component Analysis - Inventory

Component	CAS#	TSCA	DSL	EINECS
Assay (on dry basis)	87-99-0	Yes	Yes	Yes

16 - OTHER INFORMATION

Key / Legend

EPA = Environmental Protection Agency;

TSCA = Toxic Substance Control Act;

ACGIH = American Conference of Governmental Industrial Hygienists;

IARC = International Agency for Research on Cancer;

NIOSH = National Institute for Occupational Safety and Health;

NTP = National Toxicology Program;

OSHA = Occupational Safety and Health Administration;

NFPA = National Fire Protection Association;

HMIS = Hazardous Material Identification System;

CERCLA = Comprehensive Environmental Response, Compensation and Liability Act;

SARA = Superfund Amendments and Reauthorization Act;

DSL = Canadian Domestic Substance List;

This information is believed to be accurate and is intended for general guidance. It should not be construed as a guarantee of its suitability for a particular application. Charkit Chemical Company, LLC. offers no warranties either expressed or implied, nor is freedom from any patent owned by Charkit Chemical Company, LLC. or others implied; neither is liability accepted for errors or omissions in the information. Typical properties of products are given for guidance only and do not necessarily represent manufacturing specifications.

EINECS = European Inventory of New and Existing Chemical Substances;

WHMIS = Workplace Hazardous Materials Information System.

This information is believed to be accurate and is intended for general guidance. It should not be construed as a guarantee of its suitability for a particular application. Charkit Chemical Company, LLC. offers no warranties either expressed or implied, nor is freedom from any patent owned by Charkit Chemical Company, LLC. or others implied; neither is liability accepted for errors or omissions in the information. Typical properties of products are given for guidance only and do not necessarily represent manufacturing specifications.