

Golden Granulated Evaporated Cane Juice

Product Description

Golden Granulated Evaporated Cane Juice (GECJ) is a medium grain, soluble, minimally-processed sweetener produced from sugar cane using a single crystallization process. It retains a golden hue and subtle sweetness from original cane juice which accent light, medium and robust flavors in traditional and natural bakery, confection, cereal, prepared food, soup, snack and sauce food applications. Golden Granulated GECJ is an economical, natural alternative to conventional and artificial sweeteners.

Ingredient Statement: Evaporated Cane Juice

Chemical and Physical Characteristics

Sucrose %		95.5 - 99.9	
Ash %	Dry Basis	0.25	(MAX)
Moisture %		0.1	(MAX)
Color	(CUMS4)	400 - 900	
Particle Size		20% on USS 20 (MAX) 60 -100% (CUM) on USS 40 4% Thru USS 100 (MAX)	

Microbiological Characteristics

Standard Plate Count	500 cfu/g	(MAX)
Yeasts	10 cfu/g	(MAX)
Molds	10 cfu/g	(MAX)
Coliforms	3 cfu/g	(MAX)
E. coli	3 cfu/g	(MAX)
Salmonella	Negative	
Staphylococcus Aureus	3 cfu/g	(MAX)

Kosher	Parve
Pesticide Residues	Statement Available Upon Request

Packaging

Product is packaged in 50 lb. and 100 lb. (net wt.) multi-wall with polyethylene lined kraft bags and heat sealed. It is shipped on wood pallets

Shelf Life

Shelf life is typically 18 months if kept between 65 - 90 F and less than 70% relative humidity. If exposed to high humidity, low temperatures, and/or top load pressure, the product has a tendency to harden.

Golden Granulated Evaporated Cane Juice - Material Safety Data Sheet

Section I - Product Identification

Manufacturer Name: Florida Crystals Food Corp.
Address: One North Diematis Street, Suite 200
West Palm Beach, Florida 33411
Label Identification: Golden Granulated Evaporated Cane Juice
Chemical Name: Sucrose
Chemical Family: Carbohydrate
Common Name: Evaporated Cane Juice
Emergency Contact: 561.366.5200

Section II - Hazardous Description

Hazard Description: None
Chemical Name: Sucrose
Common Name: Evaporated Cane Juice
CAS No.: 57-50-1

Section III - Physical and Chemical Data

Description: Tan Brown Granulates
Melting Point: 166 °C
Boiling Point (°C): N/A
Percent Volatile By Weight: .05 Avg.
Odor: Mild Cane Molasses
Specific Gravity (H2O = 1): 0.85 Min
Solubility in Water: Readily Soluble
Water Activity (Aw): 0.40
pH: (As is) (X 50% Solids DILUTION) 5.5

Golden Granulated Evaporated Cane Juice - MSDS

Section IV - Fire and Explosion Hazard Data

Combustion Data:	N/A
Fire Control Material:	Water Spray or Fog in Dusty Areas. Sugar is a Class A combustible material.
Explosion:	Avoid Generating Dust: Fine Dust Dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.
Critical Dust Concentration:	Product dust may form an explosive mixture with air. Avoid conditions which produce dust. Fine sugar dust has a cloud ignition temp between 380 - 400 °C and may be explosive in airborne concentrations between 0.040 AND 0.250 cc / m3 (40 - 80 g / m3) and 0.1 mg/l.
Ignition Temperature, Dust:	370 °C

Section V - Reactivity Data

Stability:	Stable Product
Decomposition/Melt Point:	Temp. in excess of 367 °F (186 °C) will cause sugar to melt with decomposition.
Decomposition Products:	None Under Normal Storage Conditions.
Polymerization Products:	Do Not Occur.

Section VI - Health Hazard Data

Description:	Nuisance dust; except those with pre-existing upper respiratory ailment. Over exposure may irritate eyes, nose and/or lungs and cause sensitivity, (which is reversible). First Aid: Flush eyes with water. Provide adequate ventilation. Obtain Medical Attention -in case of difficulties.
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Section VII - Safe Handling and Control Measures

Storage:	Storage temperature between 50 °F and 80 °F; 70% Maximum Humidity. Keep area well ventilated and free of sugar, especially on overhead surfaces to minimize accumulation. Avoid open flame, sparks, and other ignition sources.
Spill and Clean Up:	Dust Deposits should not be allowed to accumulate on surfaces, as they can build static electricity charges when subjected to the friction of transfer and mixing operations in sufficient concentration. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Clear Dust from surfaces with compressed air using non-sparking tools. (Avoid open flame, spark and other ignition sources). Flush with water to eliminate slippery condition. Refer to 29 CFR 1910.154 Standard Prevention of Fire and Dust Explosion from "Manufacturing, Processing and Handling of Combustible Particulated Solids for Safe Handling"
Waste Disposal:	Observe Municipal, State, and Federal Regulations. It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in the handling of this product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment. Ensure that dust handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., no leakage from the equipment) Use only appropriately classified electrical equipment and powered industrial trucks.
Housekeeping:	Good Housekeeping Practices - minimize dust accumulation
Exposure Route:	(Inhalation, Direct Contact, Absorption, And Ingestion): N/A
Personal Protection:	Eyes: Goggles Optional Respiratory: Use NIOSH approved dust respirator in dusty areas. Other: N/A

Golden Granulated Evaporated Cane Juice

Nutrients Per 100 GM As Is Basis (Dry Basis) (Typical)

Carbohydrate	100 Grams
Total Sugar	100 Grams
Protein	0.0 Grams
Fat	0.0 Grams
Fiber	0.0 Grams
Calories	400 Calories

Minerals:

Calcium	17.0 mg
Iron	0.0 mg
Potassium	0.0 mg
Sodium	0.0 mg

Vitamins:

Vitamin C	4.0 mg
Vitamin A	<22 IU
Thiamin	0.0 mg
Riboflavin	0.0 mg
Niacin	0.0 mg

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