

Domino Foods, Inc.
 Yonkers, NY 10705
 toll free: 800.446.9763
 local: 410.783.9730
 fax: 914.930.4716

dominospecialtyingredients.com • floridacrystals.com

For inquiries, samples or to place an order, please contact your Domino Specialty Ingredients sales representative. Please visit our web sites at dominospecialtyingredients.com and floridacrystals.com for detailed information on our full spectrum of organic, natural and specialty ingredient products.

Nulomoline® Congealed

Product Description

Nulomoline® Congealed is a standardized invert made from pure cane sugar by a process that converts sucrose into a combination of fructose and dextrose sugars, resulting in a characteristically unique sweetener system. These sugars have significantly different characteristics than sucrose, corn syrup combinations, or other sugars and offer a mild, light flavor, increase moisture retention in fresh baked goods, improved crust color, solubility and enhanced shelf life in sweet and savory baked goods. Nulomoline® Congealeds jelled consistency is easily measured and can be used in liquid or dry blending. It also adds texture and controls crystallization in cream centers and fudge. Other invert products include Nulomoline® Liquid, Nulomoline® #7 (a low Brix invert syrup) and Nulomoline® #11 (a partial-invert liquid syrup).

Ingredient Statement: Invert Syrup

Chemical and Physical Characteristics

Color	(ICUMSA)	175	(Max)
Sediment	(DSC)	#4 FINE	(Max)
Total Solids %	(Brix)	76.7 - 77.3	
Invert %	(Dry Basis)	90.0	(Min)
Ash %	(Wet Basis)	0.08	(Max)
pH		3.4 - 4.0	

Microbiological Characteristics

Standard Plate Count	1,000 cfu/g	(Max)
Yeasts (wort argar/osmophilic)	100 cfu/g	(Max)
Molds (wort argar/osmophilic)	100 cfu/g	(Max)
Coliforms	1 gram	(Max)
E. coli	Negative	
Salmonella	Negative	
Staphylococcus Aureus/ Coagulase Positive	Negative	
Pseudomonas Aeruginosa	Negative	

All On A Dry Sugar Equivalent (DSE) Basis

Kosher	Parve
Visual Specks	None on Surface in Containers
Pesticide Residues	Statement Available Upon Request

Solids By Refractometer. Sucrose Tables, Corrected For % Invert

Packaging

Product is packaged in pails, drums disposable totes and tank wagons.

Shelf Life

Shelf life for packaged goods is typically 6 months when sealed if kept (<50°F) and dry (less than 70% relative humidity).

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Nulomoline® Congealed - Material Safety Data Sheet

Section I - Product Identification

Manufacturer Name: American Sugar Refining Inc.

Address: 1 Federal Street
Yonkers, New York 10705

Label Identification: Nulomoline® Congealed

Chemical Name: Dextrose & Levulose, Sucrose, Dextrose

Chemical Family: Carbohydrate

Common Name: Standardized Invert Syrup

Emergency Contact: 914.963.2400

Section II - Hazardous Description

Hazard Description: None

Chemical Name:	Dextrose & Levulose	Sucrose	Dextrose
Common Name:	Invert Syrup	Sugar (Sucrose)	Dextrose
CAS No.:	8013-17-0	57-50-1	50-99-7
Percent of Product:	>90%	<10%	3000 PPM

Section III - Physical and Chemical Data

Description: Off White Paste

Melting Point: N/A

Boiling Point (° C): N/A

Percent Volatile By Weight: 23 Avg.

Odor: Odorless

Specific Gravity (H2O = 1): 1.39 Min

Solubility in Water: Readily Soluble

Water Activity (Aw): 0.69

pH: (As is) (X 50% Solids DILUTION) 3.7

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Nulomoline® Congealed - MSDS

Section IV - Fire and Explosion Hazard Data

Combustion Data:	N/A
Fire Control Material:	N/A
Critical Dust Concentration:	N/A
Ignition Temperature, Dust:	N/A

Section V - Reactivity Data

Stability:	Stable Product
Melting Point:	N/A
Decomposition:	N/A
Decomposition Products:	None Under Normal Storage Conditions
Polymerization Products:	Do Not Occur

Section VI - Health Hazard Data

Description:	Not Applicable
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Section VII - Safe Handling and Control Measures

Storage:	Storage temperature <50° F and dry. 70% Maximum Humidity
Spill and Clean Up:	Flush with water to eliminate slippery condition.
Waste Disposal:	No Special Requirements. Observe Municipal, State, and Federal Regulations.
Housekeeping:	Good Sanitation Practices.
Exposure Route:	Inhalation: N/A Direct Contact: N/A Absorption: N/A Ingestion: N/A
Personal Protection:	Eyes: Goggles Optional Respiratory: N/A Other: N/A

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Nulomoline® Congealed

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

Calories	308.0 (kcal)
Total Fat	0.0 Grams
Saturated Fat	0.0 Grams
Trans Fat	0.0 Grams
Cholesterol	0.0 mg
Sodium	7.0 mg
Carbohydrate	77.0 Grams
Dietary Fiber	0.0 Grams
Total Sugar	77.0 Grams
Added Sugar	77.0 Grams
Protein	0.0 Grams
Minerals & Vitamins:	
Calcium	0.0 mg
Iron	0.0 mg
Potassium	0.0 mg
Vitamin D	0.0 IU

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