

GLYSTAR® A-3I Polyol Solution 270322

GLYSTAR® A-3I is a unique sorbitol/glycerin solution designed to provide exceptional humectancy for various types of industrial and food applications.

Chemical and Physical Properties

	Typical
Form @25°C	Clear liquid
Water, %	21.5 - 23.5
Reducing sugars, % d.b.	≤ 0.15
Refractive Index @25°C	1.435
Viscosity @25°C, cps	1,400
Specific Gravity @25C	1.329
pH (50% w/w/ in water)	5.0 - 7.5

Sensory Data

Odor	No detectable foreign odor
Flavor	Clean sweet taste

Microbiological Standards

	Max.
Total Aerobic Microbial Count, cfu/g	1000
Total Combined Yeast and Mold, cfu/g	100

Nutritional Data/100 g

	Typical
Calories	233
Calories from Fat	0
Total Fat, g	<0.1*
Cholesterol, mg	0
Sodium, mg	<2*
Total Carbohydrate, g	77.8
Dietary Fiber, g	0
Total Sugars, g	0
Added Sugars, g	0
Sugar Alcohols, g	77.8
Protein, g	<0.1*
Vitamin D, mcg	0
Calcium, mg	<2*
Iron, mg	<0.2*
Potassium, mg	<10*
Ash, g	<0.1*

* Not present at level of quantification.

Certification

Kosher Pareve

Packaging and Storage

Drums
Totes

Recommended storage temperature is 60°F-100°F (16°C-38°C).

Shelf Life

Shelf life is 12 months, typically 2 – 3 years.
Every 12 months retest for water, reducing sugars, assay and pH.

Regulatory Data

CAS No.	50-70-4
CAS No.	56-81-5

United States

GRAS	Self-affirmed
Labeling	Sorbitol solution and Glycerin

Canada

Food Additive	
Labeling	Sorbitol syrup and Glycerin

Features and Benefits

Non- crystallizing
Humectant
Fat replacer
Plasticizer
Shelf life extender
Non- reactive
Non- cariogenic

Effective Date: November 6, 2023

Next Review Date: November 6, 2026

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