



Sorbitol 70 %

CAS No.: 50-70-4

Formula: $C_6H_{14}O_6$

DESCRIPTION

Sorbitol 70 % is a colourless, viscous, water-soluble syrup produced by the hydrogenation of glucose. It functions as a humectant, plasticiser, stabiliser, and softener across a wide range of industries, including personal care, food, pharmaceuticals, and certain construction or coating formulations where moisture retention and workability are required.

KEY FEATURES

- Excellent humectant and moisture-retention properties
- Non-volatile, non-crystallising, and stable under neutral pH
- Provides smooth texture and shine in formulations
- Compatible with most polyols and surfactants

APPLICATIONS

- Personal care products like creams, lotions, toothpaste, and shaving foam
 - Food and beverages as a sweetener and moisture-retainer (where permitted)
 - Pharmaceuticals such as syrups, tablets, and oral care products
 - Industrial uses in adhesives, coatings, and cement-based systems
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LIMITED WARRANTY INFORMATION.
PLEASE READ CAREFULLY.

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This document is subject to revision without notice as new data becomes available.

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TYPICAL SPECIFICATIONS

Parameter	Specification
Appearance	Colourless, syrupy liquid
Taste	Sweet or slightly sweet, no off-odour
Dry Substance	≥ 70.0 % (w/w)
Moisture	≤ 31.0 % (w/w)
Sorbitol Content	≥ 50.0 % (w/w)
pH (50% solution)	5.0 – 7.5
Specific Gravity (20 °C)	1.285 – 1.315 g/mL
Reducing Sugars	≤ 0.21 %
Total Sugars	≤ 8.0 %
Nickel (Ni)	≤ 2.0 mg/kg
Lead (Pb)	≤ 1.0 mg/kg
Chloride (Cl ⁻)	≤ 10 mg/kg
Sulphate (SO ₄ ²⁻)	≤ 50 mg/kg
Residue on Ignition	≤ 0.1



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PACKAGING

- 250 kg drums
- 1 000 kg IBCs
- Custom packaging on request

STORAGE

Store in a clean, dry, and ventilated area away from direct sunlight and heat. Keep container tightly closed.

Shelf Life: 12 months from manufacturing date under recommended storage conditions

SAFETY & HANDLING

Non-hazardous under normal handling conditions. Refer to the corresponding Safety Data Sheet (SDS) for detailed health, safety, and environmental information.