SAFETY DATA SHEET

Sorbitol 70% Solution – USP Grade

Prepared in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200) and GHS

SDS DATE	VERSION	PRODUCT CODE (SKU)	CAS NO.
11/03/2026	1.0 (Preliminary)	SORBTL70-16OZ	50-70-4 / 7732-18-5

SECTION 1: IDENTIFICATION

1.1 Product identifier

Product name	**Sorbitol 70% Solution – USP Grade**
Product code (SKU)	SORBTL70-16OZ
Chemical name / synonyms	D-Glucitol 70 % aqueous solution; sorbitol syrup; INCI: Sorbitol
CAS No.	50-70-4 / 7732-18-5
Product form	Mixture (aqueous solution)
Grade	USP

1.2 Recommended use and restrictions on use

Recommended use	Raw material for formulation and manufacture of cosmetic, personal-care and holistic products.
Uses advised against	None identified.

1.3 Responsible party and supplier

Supplier / responsible party	**LA Ingredients** 853 Sandhill Avenue Carson, CA 90746, USA
Email / website	support@laingredients.com laingredients.com

1.4 Emergency telephone number

Emergency telephone (24 hours)	**+1 656 232 3588** Hazmat Line Emergency Response (24 hours a day, 7 days a week)

SECTION 2: HAZARD(S) IDENTIFICATION

2.1 Classification of the substance or mixture (GHS / OSHA HCS 2012)

Not classified as hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200) and GHS, based on the source data.

2.2 GHS label elements

Signal word	None
Hazard statement(s)	None. Not applicable.
Precautionary statement(s)	None required for classification. See Sections 7 and 8 for good-practice handling.

2.3 Hazards not otherwise classified (HNOC)

Spilled liquid is slippery.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Mixture. Aqueous solution of sorbitol; neither component is classified as hazardous.

Chemical name	CAS No.	EC No.	Concentration	GHS classification
Sorbitol (D-glucitol)	50-70-4	200-061-5	≈ 70 %	Not classified
Water	7732-18-5	231-791-2	≈ 30 %	Not classified

SECTION 4: FIRST-AID MEASURES

4.1 Description of first-aid measures

General advice	If symptoms develop or persist, get medical attention. Show this SDS to the medical professional.
Inhalation	Not a likely exposure route; no ill effects expected.
Skin contact	Remove contaminated clothing. Wash with soap and plenty of water. Get medical attention if irritation develops or persists.
Eye contact	Rinse with plenty of water for at least 15 minutes, holding the eyelids open. Remove contact lenses if present and easy to do. Get medical attention if irritation persists.
Ingestion	Drink plenty of water. For large amounts, get medical attention. Do not induce vomiting.

4.2 Most important symptoms and effects, acute and delayed

Large oral doses may cause gastrointestinal upset (laxative effect). Eye contact may cause mild, temporary irritation.

4.3 Immediate medical attention and special treatment

Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable	Carbon dioxide, alcohol-resistant foam, dry powder. Water spray may be used to cool containers.
Unsuitable	Solid (heavy) water stream (may scatter and spread fire).

5.2 Special hazards arising from the substance or mixture

Not readily ignited. Hazardous combustion products: carbon monoxide, carbon dioxide, smoke and irritating fumes.

5.3 Advice for fire-fighters

Wear self-contained breathing apparatus (SCBA) and full protective clothing. Cool exposed containers with water spray.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear gloves and eye protection (see Section 8). Spilled liquid may make surfaces slippery.

6.2 Environmental precautions

Prevent entry into drains, sewers and waterways. Notify the appropriate authorities if a large release reaches water.

6.3 Methods and materials for containment and cleaning up

Contain the spill and absorb with an inert absorbent (sand, earth or similar). Collect into suitable, closed containers for disposal.

Clean the area with water and detergent. Spilled liquid may make surfaces slippery.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with eyes, skin and clothing. Use with adequate ventilation.

Keep containers closed when not in use. Wash hands after handling. Do not eat, drink or smoke in work areas.

7.2 Conditions for safe storage, including incompatibilities

Store in a cool, dry, well-ventilated place in the original tightly closed container to prevent moisture change and contamination. Keep above 10 °C (50 °F) to avoid crystallization or thickening. Store away from strong oxidizers and strong alkaline solutions.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

No occupational exposure limit established for this product.

8.2 Appropriate engineering controls

Normal general ventilation is adequate. Use local exhaust ventilation if dust or mist is generated.

8.3 Individual protection measures / personal protective equipment (PPE)

Eye / face	Not generally required; safety glasses with side shields or goggles if mist or splashing is possible.
Skin / hands	Protective gloves if desired.
Body	Normal work clothing.
Respiratory	Not required under normal conditions of use.
Hygiene	Wash hands after handling. Do not eat, drink or smoke when using this product. Eyewash and washing facilities should be accessible.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	Liquid (viscous)
Color	Colorless to white
Odor	Odorless to slightly sweet
Odor threshold	No data available
pH	Approx. 6
Melting point / freezing point	No data available
Boiling point / range	Approx. 105 °C
Flash point	Not applicable
Evaporation rate	No data available
Flammability (solid, gas)	No data available

Upper / lower flammability or explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Relative density / specific gravity	Approx. 1.285
Solubility in water	Miscible
Solubility in other solvents	No data available
Partition coefficient (n-octanol/water)	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available

9.2 Other information

No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	No dangerous reactions known under normal conditions of use.
10.2 Chemical stability	Stable under recommended storage and handling conditions.
10.3 Possibility of hazardous reactions	Hazardous polymerization will not occur.
10.4 Conditions to avoid	Heat, flames and sparks; moisture change (storage).
10.5 Incompatible materials	Strong oxidizing agents and strong alkaline solutions; non-stainless metals (one source).
10.6 Hazardous decomposition products	None known under normal conditions. In a fire: carbon monoxide, carbon dioxide and irritating fumes.

SECTION 11: TOXICOLOGICAL INFORMATION

Likely routes of exposure	Eye and skin contact; ingestion.
Acute toxicity	Oral LD50 (rat, D-glucitol): 15,900 mg/kg. Not classified.
Skin corrosion / irritation	Not classified. Not, or only slightly, irritating.
Serious eye damage / irritation	Not classified. Not, or only slightly, irritating.
Respiratory or skin sensitization	Not classified. Not expected to be a skin or respiratory sensitizer.
Germ cell mutagenicity	Not classified.

Carcinogenicity	Not classified. No component present at 0.1% or more is listed as a carcinogen by IARC, NTP, ACGIH or OSHA.
Reproductive toxicity	Not classified.
STOT – single exposure	Not classified.
STOT – repeated exposure	Not classified.
Aspiration hazard	Not classified.
Other effects	Large oral doses may cause gastrointestinal upset (laxative effect).

SECTION 12: ECOLOGICAL INFORMATION

12.1 Ecotoxicity	Contains no substances known to be hazardous to the environment. Quantitative data: no data available.
12.2 Persistence and degradability	Readily biodegradable.
12.3 Bioaccumulative potential	Not expected to bioaccumulate.
12.4 Mobility in soil	Soluble in water.
12.5 PBT and vPvB assessment	No data available.
12.6 Other adverse effects	None known. Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Product	Dispose of in accordance with federal, state and local regulations. Do not pour into drains or sewers unless permitted. Waste classification may change if the product is used or altered.
Contaminated packaging	Empty containers completely. Dispose of as unused product, or recycle where facilities exist.

SECTION 14: TRANSPORT INFORMATION

DOT (US)	Not regulated as dangerous goods.
IMDG (sea)	Not regulated as dangerous goods.
IATA (air)	Not regulated as dangerous goods.
UN number / packing group	Not applicable.

SECTION 15: REGULATORY INFORMATION

OSHA HCS	Not classified as hazardous under 29 CFR 1910.1200 based on the source data.
TSCA	Sorbitol (D-glucitol) is listed on the TSCA Inventory.
SARA 302 / 311-312 / 313	No SARA 313 reportable components per the source data. No SARA 311/312 hazard categories identified.

California Proposition 65	No Proposition 65 listed chemicals reported in the source data.
Compliance	Compliance with all applicable federal, state and local laws and regulations remains the responsibility of the user.

SECTION 16: OTHER INFORMATION

Date of issue / last revision	11/03/2026
Version	1.0 (Preliminary)
Supersedes	**None (first issue)**
Prepared by	LA Ingredients, 853 Sandhill Avenue, Carson, CA 90746 | support@laingredients.com
Basis of this SDS	PRELIMINARY. Compiled by LA Ingredients from two published safety data sheets for equivalent material (sorbitol 70 % solution, CAS 50-70-4 / 7732-18-5), revisions dated 02/26/2013 and 07/21/2022. The supplier-specific SDS was not yet available. This SDS will be superseded when it is.

Hazard ratings (as given by the manufacturer)

NFPA 704	Health 0 | Flammability 1 | Instability 0

Key to abbreviations

CAS = Chemical Abstracts Service; GHS = Globally Harmonized System; OSHA HCS = OSHA Hazard Communication Standard; PEL = permissible exposure limit; TLV = threshold limit value; TWA = time-weighted average; LD50 / LC50 / EC50 = median lethal dose / lethal concentration / effective concentration; PBT / vPvB = persistent, bioaccumulative, toxic / very persistent, very bioaccumulative; OECD = Organisation for Economic Co-operation and Development; DOT = US Department of Transportation; IMDG = International Maritime Dangerous Goods Code; IATA = International Air Transport Association; TSCA = Toxic Substances Control Act; SARA = Superfund Amendments and Reauthorization Act; CERCLA = Comprehensive Environmental Response, Compensation, and Liability Act; STOT = specific target organ toxicity; HNOC = hazard not otherwise classified; HMIS = Hazardous Materials Identification System; NFPA = National Fire Protection Association; IARC = International Agency for Research on Cancer; NTP = National Toxicology Program; ACGIH = American Conference of Governmental Industrial Hygienists; PNOC = particulates not otherwise classified; USP = United States Pharmacopeia; FCC = Food Chemicals Codex; AIHA WEEL = American Industrial Hygiene Association Workplace Environmental Exposure Level.

Notes

This is a **Preliminary** SDS compiled by LA Ingredients from published safety data sheets for equivalent material, issued by two independent suppliers, because the product-specific supplier SDS was not yet available. Where the sources differed, the more conservative (more protective) value was used. Physical values may differ from the lot supplied. This SDS will be superseded when the supplier-specific SDS is received.

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