



Title	MSDS : SORBITOL SOLUTION -70% CRYSTALLIZING/ NON-CRYSTALLIZING		
Document No.	KSL/MSDS-FP/01/R-3	Supersede Document No.	KSL/MSDS-FP/01/R-2
Effective date	14/02/2023	Next Review date	31/03/2025

According to Global Harmonised System with Appendix 1910.1200, a material safety data sheet (MSDS) of Sorbitol Solution 70% have included the information specified in the Table below under the section number and heading indicated for sections 1-11 and 16.

1.0 PRODUCT INFORMATION

Name	Sorbitol Solution -70% Crystallizing / Non-Crystallizing					
Synonyms	D-glucitol					
CAS No.	50-70-4					
Molecular weight	182.17					
Molecular formula	C ₆ H ₁₄ O ₆					
E-Number	E420					
INCI US*	INCI EU*	IUPAC chemical name	EINECS#	Function	Minimum Amount	Maximum Amount
Sorbitol	Sorbitol	Not Available	200-061-5	HUMECTANT	68 %	72 %
Water	Aqua	Water	231-791-2	SOLVENT	28.5 %	31.5 %
Company Name	Kasyap Sweeteners Limited					
Address	Plot No.20 C&B , Phase -I, Gujarat Industrial area (GIDC) -Vapi -396195 (Gujarat -India)					
Emergency No.						
E-mail						

2.0 HAZARD IDENTIFICATION

Classification of substance	Not a hazardous mixture
GHS Label element	Pictogram : N/A Signal word : N/A
Packaging of substances and mixtures CLP (1272/2008)	Non hazardous
Hazard and precautionary statement	Not a hazardous mixture.
Hazard covered by GHS	None

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Potential Health Effects	Skin Contact : No adverse effects expected. But wash the infected part with copious amount of water
	Inhalation : No adverse health effects expected from inhalation. It does not have any Odour.
	Ingestion : Large doses may cause gastrointestinal upset. Direct dose must be avoided.
	Eye Contact : No adverse effects expected. But wash the eye with copious amount of water in case of accidental exposure. Give immediate specific medical aid if irritation persists.
	Chronic Exposure : No information found.

3.0 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS No.	Percent	Hazardous
Sorbitol	50-70-4	70%	Non hazardous
Water	7732-18-5	30%	No

4.0 REACH COMPLIANCE

We confirm that the substance in subject is exempt by registration for ANNEX II of the REACH regulation EU 2020/878.

EINECS NO.	NAME/GROUP	CAS NO.
200-061-5	D-glucitol C ₆ H ₁₄ O ₆	50-70-4

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5.0 FIRST AID MEASURES

Inhalation	Non-Toxic give medical attention in-case of any breathing difficulty.
Ingestion	If large amounts were swallowed, give water to drink get.
Skin contact	No adverse effects expected. But wash the infected part with copious amount of water medical advice.
Eye contact	Wash thoroughly with copious amount of water. Get medical advice if irritation develops.

6.0 FIRE FIGHTING MEASURES

Fire	Non-Flammable as such in liquid form
Fire Extinguishing Media	Water spray, dry chemical, alcohol foam, or carbon dioxide in case it burns along with some other substance

7.0 ACCIDENTAL RELEASE MEASURES

Cordon off the area. Remove all sources of ignition. Remove any other substances from that area. Only the authorized persons should remain at the site. Ventilate the area to the maximum possible. Wear appropriate personal protective equipment and safety gadgets. Clean up the spilled material such that it causes no harm. Pick up the spilled material for recovery or disposal and place in a closed container.

8.0 HANDLING AND STORAGE

Temperature : Store the product at 30°C to 35°C.
Relative Humidity : 65 ±5%
 The product should be kept in tightly closed containers protected from direct sunlight and water to prevent the contamination.

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KASYAP SWEETNERS LTD. VAPI

Quality Assurance Dept.

MATERIAL SAFETY DATA SHEET

**KASYAP**SWEETNERS LIMITED
SPREADING THE SMILES

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9.0 EXPOSURE CONTROLS / PERSONAL PROTECTION

Airborne exposure limits	None established as Sorbitol is a humectant and not volatile in nature
Ventilation system	Not expected to require any special ventilation.
Personal Respirators (NIOSH Approved)	Not expected to require personal respirator usage.

10.0 EXPOSURE CONTROLS / PERSONAL PROTECTION

Skin Protection	Wear protective gloves and clean body-covering clothing.
Eye Protection	Use chemical safety goggles

11.0 PHYSICAL AND CHEMICAL PROPERTIES

Sr.No.	Parameter	Specification
1	Appearance	Clear, colourless, syrupy liquid has a sweet taste.
2	Odor	Odorless
3	Miscibility	Miscible with water, glycerin, and propylene glycol.
4	pH	5.0 to 7.5
5	Refractive Index	1.455 to 1.462
6	Relative density	Min. 1.285 @ 25 ^o C
7	Conductivity	Max. 10 μ S/cm
8	Boiling point	295 ^o C (563 ^o F)
9	Flash point	542 ^o F (> 283 ^o C)
10	Chloride content	Max. 50 ppm.
11	Nickel content	Max. 1.0 ppm.

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Sr.No.	Parameter	Specification
12	Lead content	Max. 0.5 ppm.
11	Arsenic content	Max.2.0 ppm.
13	Sulphate content	Max. 100 ppm.
14	Viscosity	185 Centipoise
15	Flammability (solid, gas)	Non flammable
16	Auto-ignition temperature	542°F (> 283°C)

12.0 STABILITY AND REACTIVITY

Stability	Very stable against heat, weak acids and weak alkalies. It is non - fermentable and hence bacteriologically stable.
Hazardous decomposition products	Does not decompose under atmospheric conditions.
Hazardous Polymerization	Will not occur
Incompatibilities	Strong oxidizers
Conditions to Avoid	Heat, moisture, air, incompatibles

13.0 TOXICOLOGICAL INFORMATION

Oral rat LD50: 15900 mg/kg. Investigated as a mutagen.

-----\Cancer Lists\-----

---NTP Carcinogen---

Ingredient	Known	Anticipated	IARC Category
Sorbitol (50-70-4)	No	No	None

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14.0 ECOLOGICAL INFORMATION

Environmental Fate	No information found.
Environmental Toxicity	No information found.

15.0 DISPOSAL CONSIDERATIONS

To be disposed in an approved Effluent treatment plant under controlled and appropriate conditions and process approved by the local Pollution Control Board. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents to be done in accordance with federal, state and local requirements.

16.0 TRANSPORT INFORMATION

To be transported in properly closed & sealed stainless steel tanks mounted on trucks. The tanks must be nomenclatured appropriately with proper information regarding contact persons / contact numbers in case of any eventuality. If transported in HMHDPE drums, then not more than two drums should be put one over the other.

► IMDG not regulated.

17.0 REGULATORY INFORMATION

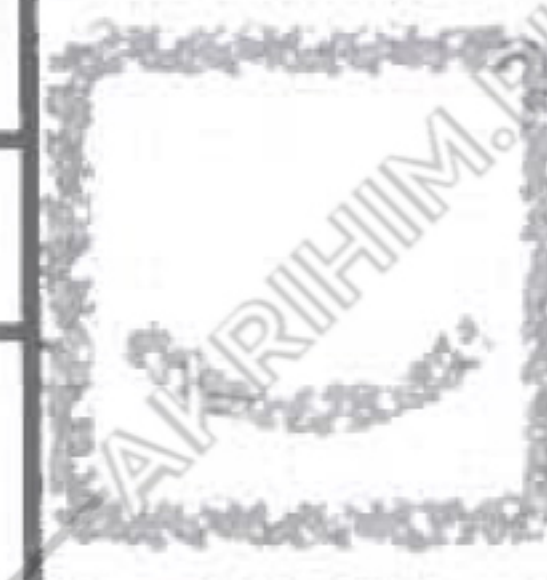
The Quality is regulated by Indian Pharmacopoeia, British/ European Pharmacopoeia and United State Pharmacopoeia.

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18.0 OTHER INFORMATION

Label Hazard Warning	As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary
Label Precautions	None
Label First Aid	Not applicable
Product Use	Oral care & Cosmetics, Pharmaceuticals, Food and Beverage industries, Confectionary and various industrial applications.

► DISCLAIMER :

Kasyap Sweeteners Limited, India provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.

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