



# ART VATIKA INSTITUTE

## MATERIAL SAFETY DATA SHEET

<b>ARTIKAMART</b> 309, Basement, Sector 21C, Faridabad, Haryana 121001, INDIA	<b>MSDS NUMBER</b> : 5216597 <b>PRODUCT CODE</b> : 245371649 <b>DATE</b> : 20/02/2025
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### 1) Identification of the substance or mixture and of the supplier

**Trade name** : SORBITOL Solution 70%

### 2) COMPANY : ART VATIKA INSTITUTE

**Contact Person:** Mr. Harsh Aggarwal (For commercial and technical detail)

**Head Office:** 309, Basement, Sector 21C, Faridabad, Haryana 121001, INDIA.

**E-mail:** [help@artikamart.com](mailto:help@artikamart.com)

**Website:** [www.artikamart.com](http://www.artikamart.com)

**Telephone:** +91 9818304044 and +91 8368527252

**Emergency telephone:** In case of chemical emergency involving transportation spills, leaks, fires or accidents.



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## Sorbitol Solution 70% (Grade : Pharmaceuticals, Food & Cosmetic)

### SECTION 1. IDENTIFICATION

**Product Identifier** : Sorbitol Solution 70%  
**Synonym** : D-Glucitol  
**Molecular Weight** : 182.17  
**Molecular Formula** :  $C_6H_{14}O_6$   
**Recommended Use** : Industrial

### SECTION 2. HAZARD IDENTIFICATION

#### Emergency Overview:

Prevent unnecessary exposure to other chemicals, Gas, Vapors, unhygienic atmosphere, direct sun rays. The product Sorbitol Solution 70% is not Reactive. It does not have any flammability rating. Standard safety gadgets like Goggles, Gloves etc. to be used while handling.

#### Potential Health Effect:

##### 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 odor.

##### Ingestion:

Large doses may cause gastro-intestinal upset. Direct dose must be avoided.

##### Eye Contact:

No adverse effects expected. But wash the eye with copious amount of water incase of accidental exposure. Give immediate specific medical aid if irritation persists.

##### Chronic Exposure:

No information found.

### SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

#### Mixture:

Chemical Name	CAS No.	%	Other Identifiers
Sorbitol	50-70-4	70	D-Glucitol
Water	7732-18-5	30	Dihydrogen Oxide



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## SECTION 4. FIRST-AID MEASURES

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

## SECTION 5. FIRE-FIGHTING MEASURES

### Fire:

Non-Flammable as such in liquid form.

### Fire Extinguishing Media:

Water spray, dry chemical, alcohol foam, or carbon dioxide incase it burns along with some other substance.

## SECTION 6. 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.

## SECTION 7. HANDLING AND STORAGE

Can be kept in HM-HOPE barrels with self bung as well as external metallic seal or the bung cap is shrink wrapped. To be stored in a ventilated area preferably away from the direct sunlight. Barrels to be protected against physical damage. Can be stored in stainless steel tanks (AISI 304 or AISI 316) with all contact parts also of the same material. When stacked barrels must not be put one over the other. Can be stored under ambient conditions. Best recommended is at room temperature.

The barrels must be kept upright with its mouth at the top. Barrels must not be dropped from a height more than 3 feet. Rolling of them, if required may be done, but must be done only on a leveled road or surface. If rubber hose pipe is required to be used for handling then it must be ensured that the rubber is of food grade and the hope pipe should first be sanitized.

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Airborne Exposure Limits:

None established, as Sorbitol is a humectants and is not volatile in nature.



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**Ventilation System:**

Not expected to require any special ventilation.

**Personal Respirators (NIOSH Approved):**

Not expected to require personal respirator usage.

**Skin Protection:**

Wear protective gloves and clean body-covering clothing.

**Eye Protection:**

Use chemical safety goggles

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:**

Clear, Colorless, Viscous, Syrupy Liquid with sweet taste.

**Odor:**

Odorless.

**Solubility:**

Freely soluble in Water, glycerin and 1,2 propanediol.

**Specific Gravity:**

1.285 @ 25 deg C Temperature.

**PH:**

In the range 5.5 to 7.5

**% Volatiles by volume @ 21 degree C:**

0%

**Boiling Point:**

295 degree C (563 degree F)

## SECTION 10. STABILITY AND REACTIVITY

**Stability:**

Very stable against heat, weak acids & weak alkalis. It is non-fermentable bacteriologically extremely 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.



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## SECTION 11. TOXICOLOGICAL INFORMATION

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

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

-NTP Carcinogen-

Ingredient	Known	Anticipated	IARC Category
Sorbitol	No	No	None

## SECTION 12. ECOLOGICAL INFORMATION

**Environmental Fate** : No information found.

**Environmental Toxicity** : No information found.

## SECTION 13. DISPOSAL CONSIDERATIONS

To be disposed in an approved Effluent treatment plant under controlled & 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.

## SECTION 14. TRANSPORT INFORMATION

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

## SECTION 15. REGULATORY INFORMATION

The Quality is regulated by Indian Pharmacopoeia (I.P.), British Pharmacopoeia (BP), US Pharmacopoeia (USP), European Pharmacopoeia (EP), Food grade.

## SECTION 16. OTHER INFORMATION

### Label Hazard Warning:

As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

**Label Precautions** : None.

**Label First Aid** : Not applicable.

**Product Use** : Industrial chemical