MATERIAL SAFETY DATA SHEET

Sorbitol Solution, 70%

Section 1: Identification

1.1. Product Identifier

Product form: Mixture

Trade name: Sorbitol Solution, 70%

Common name(s)/synonyms: Sorbitol Solution, Glucitol

Molecular formula: C6H14O6

Product type: Liquid

CAS-No: 50-70-4

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use: Sorbitol is approved for use in food, drink, pharmaceuticals, cosmetics, paint, and industrial applications. It is commonly used as a bulking agent, and sweetener.

Uses advised against: No information available

1.3. Supplier's details

Company Address: COSMO CHEMISTRY, Office No. 713, 7th Floor, Millennium Business Hub, Sarthana Jakatnaka, Varachha Main Road, Surat, Gujarat, India - 395006

Emergency number: +91 7984584838

Section 2: Hazards Identification

2.1. Classification of a substance or a mixture

Potential Acute Health Effects: No specific information is available in our database regarding the acute toxic effects of this material on humans.

Potential chronic effects: No data available

2.2. Label Elements

According to GHS, this product is not classified as Hazardous Chemical Agent (HCA). Therefore, this product is not hazardous.

Section 3: Composition/Information on ingredients

3.1. Substance: Not applicable

3.2. Mixture

Ingredient name	Product identifier	Contents (% W/W)	Classification (GHS)
Sorbitol	CAS No.: 50-70-4	70	N/A
Water	CAS No.: 7732-18-5	30	N/A

Section 4: First Aid Measures

4.1. Description of necessary first aid measures

Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Skin Contact: No known effect on contact, rinse with water a few minutes.

Eye contact: Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used.

Ingestion: If swallowed, seek medical advice immediately and show this container or label. Prevent vomiting if possible. Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects: May cause drowsiness or dizziness.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

Section 5: Fire Fighting Measures

Extinguishing Media: Not applicable

Flammability: Non-flammable

Hazardous combustion products: Not applicable

Fire Fighting: Not applicable

Specific hazards: Not reported

Section 6: Accidental Release Measures

6.1. Small Spill

Personal precautions: Avoid spill or leaks.

Environmental precautions: Prevent product from entering drains. Prevent further leakage or spillage if safe to do so.

Methods for cleaning up: Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning up by spreading water on the contaminated surface.

Reference to other: Refer to section 8 and 13

6.2. Large spillages

Personal precautions: Avoid spill or leaks.

Environmental precautions: Prevent product from entering drains. Prevent further leakage.

Methods for cleaning up: Absorb with inert material and put the spilled material in an appropriate waste disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Notify the authorities if the product enters sewers or public waters.

Reference to other: Refer to section 8 and 13

Section 7: Handling and Storage

7.1. Precautions for safe handling

Handling precautions: Avoid unnecessary contact with this material.

Conditions for safe storage, including any incompatibilities: Avoid exposure to extreme heat or cold. Sorbitol will precipitate out of solution if exposed to cool temperatures. Store in tight containers.

7.2. Other precautions

Containers, even those that have been emptied, may contain residue or vapours and should be treated as if they were full.

Section 8: Exposure Controls / Personal Protection

8.1. Control parameters

No data available

8.2. Appropriate Engineering Controls

Appropriate engineering controls: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective threshold limit value.

Environmental exposure control: Avoid release to the environment.

8.3. Individual protection measures, such as personal protective equipment (PPE)

Hand protection: Protective gloves

Eye protection: Safety glasses

Skin and body protection: Wear suitable protective clothing

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment

Section 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Parameter	Value
Physical state	Liquid
Appearance	Clear, colourless.
Colour	Clear, colourless.
Solubility	Easily soluble in cold and hot water.
Odour	Odourless
Odour threshold	No data available
pH	No data available
pH solution	No data available
Relative evaporation rate (butylacetate=1)	No data available
Relative evaporation rate (ether=1)	No data available
Melting point	No data available
Freezing point	No data available
Boiling point	295°C @ 3.5 mm Hg
Flash point	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Flammability (solid, gas)	Not applicable
Vapour pressure	No data available
Vapour pressure at 50 °C	No data available
Relative vapour density at 20 °C	No data available
Relative density	No data available
Relative density of saturated gas/air mixture	No data available

Density	1.29 g/cm3
Relative gas density	No data available
Log Pow	No data available
Log Kow	No data available
Viscosity, kinematic	No data available
Explosive properties	No data available
Oxidising properties	No data available
Explosive limits	No data available
Lower explosive limit (LEL)	No data available
Upper explosive limit (UEL)	No data available

Section 10: Stability and Reactivity

10.1. Reactivity: No data available
10.2. Chemical stability: This product is stable.
10.3. Corrosivity: Not considered to be corrosive for metals and glass.
10.4. Conditions to avoid: No additional information available
10.5. Incombustible materials: No additional information available

Section 11: Toxicological Information

Not applicable

Section 12: Ecological Information

12.1. Toxicity: No additional information available
12.2. Persistence and degradability: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
12.3. Bio-accumulative potential: No additional data available
12.4. Mobility in soil: No data available

Section 13: Disposal considerations

Product: Dispose of in accordance with local regulations.
Packaging: Dispose of spent product packaging responsibly and lawfully with due consideration for health, safety, and the environment. Residue in empty containers may be removed by rinsing with water.
Large volumes: Large volumes to be disposed of in accordance with local waste and environmental authority requirements.

Section 14: Transport Information

Identification: Not available
Special provisions for transport: Not available

Section 15: Regulatory Information

Classification: Registered for use in food and drinks
Other regulations: Not available

Section 16: Other Information

Notice to reader:

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