

CHAITANYA CHS, 2<sup>nd</sup> FLOOR, OFFICE # 206, SIDDHARTH NAGAR, S.V.ROAD, GOREGAON (W), MUMBAI 400062, MH, INDIA.  
CONTACT: +9122 28725393 /94/ 95 | EMAILID: CARE@SUVCHEM.COM

**MATERIAL SAFETY DATA SHEET (MSDS)****D-SORBITOL (MOLECULAR BIOLOGY)****1. Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

**Trade name** : D-SORBITOL (MOLECULAR BIOLOGY)  
**Product code** : S0198900250  
**Identification of the product** : D-SORBITOL 99% (Molecular Biology Grade)  
CAS No: 50-70-4

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

**Use** : Industrial. For professional use only.

**1.3. Details of the supplier of the safety data sheet**

**Company identification** SUVCHEM  
Chaitanya Tower, 2nd Floor, Office # 206,  
Siddharth Nagar, S.V. Road,  
Goregaon (West), Mumbai - 400062,  
Maharashtra, India.  
Contact: +91 22 28725393 / 94 / 95  
Email ID: info@suvchem.com/care@suvchem.com

**1.4. Emergency telephone number**

**Phone no.** : + 91 22 28725393 / 94 / 95 (9:00am - 6:00 pm) [ Office hours ]

**2. Hazards identification -DSD****2.1. Classification of the substance or mixture****Classification EC 67/548 or EC 1999/45**

Not classified.

**Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)**

Not classified.

**2.2. Label elements****Labelling EC 67/548 or EC 1999/45**

Not classified.

**Labelling Regulation EC 1272/2008 (CLP)**

Not classified.

**MATERIAL SAFETY DATA SHEET (MSDS)**
**D-SORBITOL (MOLECULAR BIOLOGY)**
**2. Hazards identification -DSD (continued)**
**2.3. Other hazards**

**Other hazards** : The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

**3. Composition/information on ingredients**

**Substance / Preparation** : D-SORBITOL 99% (Molecular Biology Grade)

Substance.

Contains no other components or impurities which will influence the classification of the product.

**4. First aid measures**
**4.1. Description of first aid measures**

**Inhalation** : Assure fresh air breathing. Allow the victim to rest.

**Skin contact** : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

**Eye contact** : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.

**Ingestion** : Obtain emergency medical attention. Rinse mouth. Do NOT induce vomiting.

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

**Symptoms relating to use** : Not expected to present a significant hazard under anticipated conditions of normal use.

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

**General information** : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**5. Fire-fighting measures**
**5.1. Extinguishing media**

**Suitable extinguishing media** : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

**Unsuitable extinguishing media** : Do not use a heavy water stream.

**Surrounding fires** : Use water spray or fog for cooling exposed containers.

**5.2. Special hazards arising from the substance or mixture**

**MATERIAL SAFETY DATA SHEET (MSDS)**  
**D-SORBITOL (MOLECULAR BIOLOGY)**
**5. Fire-fighting measures (continued)**

**Hazardous combustion products** : Under fire conditions, hazardous fumes will be present.

**5.3. Advice for fire-fighters**

**Protection against fire** : Do not enter fire area without proper protective equipment, including respiratory protection.

**Special procedures** : Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment.

**6. Accidental release measures**
**6.1. Personal precautions, protective equipment and emergency procedures**

**For emergency responders** : Equip cleanup crew with proper protection.  
Ventilate area.

**For non-emergency personnel** : Evacuate unnecessary personnel.

**6.2. Environmental precautions**

**Environmental precautions** : Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

**6.3. Methods and material for containment and cleaning up**

**Clean up methods** : On land, sweep or shovel into suitable containers. Minimize generation of dust.  
Store away from other materials.

**6.4. Reference to other sections**

See section 8. Exposure controls/personal protection

**7. Handling and storage**
**7.1. Precautions for safe handling**

**Handling** : Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.

**Technical protective measures** : Provide good ventilation in process area to prevent formation of vapour.

**7.2. Conditions for safe storage, including any incompatibilities**

**Storage** : Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use.

**Storage - away from** : Strong bases. Strong acids. Sources of ignition. Direct sunlight.

**7.3. Specific end use(s)**

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### MATERIAL SAFETY DATA SHEET (MSDS)

### D-SORBITOL (MOLECULAR BIOLOGY)

#### 7. Handling and storage (continued)

Specific end use(s) : None.

#### 8. Exposure controls/personal protection

##### 8.1. Exposure controls

Personal protection : Avoid all unnecessary exposure.  
 • Respiratory protection : Wear approved mask.  
 • Hand protection : Wear protective gloves.  
 • Eye protection : Chemical goggles or safety glasses.  
 • Others : When using, do not eat, drink or smoke.

##### 8.2. Control parameters

Occupational Exposure Limits : No data available.

#### 9. Physical and chemical properties

##### 9.1. Information on basic physical and chemical properties

Physical state at 20 °C : Solid.  
 Colour : White crystalline  
 Odour : Odorless  
 Odour threshold : No data available.  
 pH value : Not applicable.  
 Melting point [°C] : 98 - 100 °C  
 Decomposition point [°C] : N/A  
 Critical temperature [°C] : N/A  
 Auto-ignition temperature [°C] : N/A  
 Flammability (solid, gas) : N/A  
 Flash point [°C] : N/A  
 Boiling point [°C] : 295°C  
 Initial boiling point [°C] : N/A  
 Final boiling point [°C] : N/A  
 Evaporation rate : N/A  
 Vapour pressure [20°C] : N/A  
 Vapour pressure mm/Hg : < 0.1 mm Hg at 25 °C  
 Vapour density : N/A  
 Density [g/cm<sup>3</sup>] : 1,489  
 Relative density, gas (air=1) : N/A

**MATERIAL SAFETY DATA SHEET (MSDS)**  
**D-SORBITOL (MOLECULAR BIOLOGY)**
**9. Physical and chemical properties (continued)**

|  |                        |
|--|------------------------|
| Relative density, liquid (water=1)     | : N/A                  |
| Solubility in water [% weight]         | : 182 g/l at 20 °C - c |
| Solubility in water                    | : N/A                  |
| Log Pow octanol / water at 20°C        | : No data available.   |
| Solubility                             | : 5 - 7 at 182 g/l at  |
| Viscosity at 40°C [mm <sup>2</sup> /s] | : N/A                  |

**9.2. Other information**

|                              |                      |
|------------------------------|----------------------|
| Explosive properties         | : N/A                |
| Explosion limits - upper [%] | : N/A                |
| Explosion limits - lower [%] | : N/A                |
| Oxidising properties         | : No data available. |

**10. Stability and reactivity**
**10.1. Reactivity**

|            |                    |
|------------|--------------------|
| Reactivity | : Not established. |
|------------|--------------------|

**10.2. Chemical stability**

|                    |  |
|--------------------|--|
| Chemical stability | : Stable under recommended storage conditions. |
|--------------------|--|

**10.3. Possibility of hazardous reactions**

|                     |                    |
|---------------------|--------------------|
| Hazardous reactions | : Not established. |
|---------------------|--------------------|

**10.4. Conditions to avoid**

|                     |  |
|---------------------|--|
| Conditions to avoid | : Direct sunlight. Extremely high or low temperatures. |
|---------------------|--|

**10.5. Incompatible materials**

|                    |                               |
|--------------------|-------------------------------|
| Materials to avoid | : Strong acids. Strong bases. |
|--------------------|-------------------------------|

**10.6. Hazardous decomposition products**

|                                  |   |
|----------------------------------|---|
| Hazardous decomposition products | : Fumes. Carbon monoxide. Carbon dioxide. |
|----------------------------------|---|

**11. Toxicological information**
**11.1. Information on toxicological effects**

### MATERIAL SAFETY DATA SHEET (MSDS)

#### D-SORBITOL (MOLECULAR BIOLOGY)

#### 11. Toxicological information (continued)

|                               |   |
|-------------------------------|---|
| <b>Acute toxicity</b>         |   |
| • Inhalation                  | : Based on available data, the classification criteria are not met. |
| • Dermal                      | : Based on available data, the classification criteria are not met. |
| • Ingestion                   | : Based on available data, the classification criteria are not met. |
| <b>Corrosion</b>              | : Based on available data, the classification criteria are not met. |
| <b>Irritation</b>             | : Based on available data, the classification criteria are not met. |
| <b>Sensitization</b>          | : Based on available data, the classification criteria are not met. |
| <b>Mutagenicity</b>           | : Based on available data, the classification criteria are not met. |
| <b>Carcinogenicity</b>        | : Based on available data, the classification criteria are not met. |
| <b>Toxic for reproduction</b> | : Based on available data, the classification criteria are not met. |
| <b>STOT-single exposure</b>   | : Based on available data, the classification criteria are not met. |
| <b>STOT-repeated exposure</b> | : Based on available data, the classification criteria are not met. |
| <b>Aspiration hazard</b>      | : Based on available data, the classification criteria are not met. |

#### 12. Ecological information

##### 12.1. Toxicity

Toxicity information : Not established.

##### 12.2. Persistence - degradability

Persistence - degradability : Biodegradable.

##### 12.3. Bioaccumulative potential

Bioaccumulative potential : Not established.

##### 12.4. Mobility in soil

Mobility in soil : Not established.

##### 12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment : The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

##### 12.6. Other adverse effects

Environmental precautions : Avoid release to the environment.

#### 13. Disposal considerations

##### 13.1. Waste treatment methods

## MATERIAL SAFETY DATA SHEET (MSDS)

### D-SORBITOL (MOLECULAR BIOLOGY)

#### 13. Disposal considerations (continued)

**General** : Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.

#### 14. Transport information

##### 14.1. Land transport (ADR-RID)

**General information** : Not regulated.

##### 14.2. Sea transport (IMDG) [English only]

**General information** : Not regulated.

##### 14.3. Air transport (ICAO-IATA) [English only]

**General information** : Not regulated.

#### 15. Regulatory information

##### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

**Safety, health and environmental regulations/legislation specific for the substance or mixture** : Ensure all national/local regulations are observed.

**REACH Restrictions - Annex XVII** : The components of this product are not subject to restrictions.

**REACH Authorisation - Annex XIV** : The components of this product are not subject to authorization.

##### 15.2. Chemical Safety Assessment

**Chemical Safety Assessment** : It has not been carried out.

#### 16. Other information

**Revision** : Revision - See : \*

**Abbreviations and acronyms** : PBT: persistent, bioaccumulative and toxic.  
vPvB: very persistent and very bioaccumulative

**Sources of key data used** : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

**Further information** : None.

storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we

## MATERIAL SAFETY DATA SHEET (MSDS)

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008

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