

# Material Safety Data Sheet



D-SORBITOL FOR MICROBIOLOGY

VERSION : 03

DATE OF ISSUE : 31-01-2022

SUPERSEDES : 02

Product Code : 18960

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## **1. Identification of the substance/mixture and of the company/undertaking**

### **1.1. Product identifier**

Trade name : D-SORBITOL FOR MICROBIOLOGY  
Product code : 18960  
Identification of the product : D-SORBITOL  
CAS No : 50-70-4

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

Identified uses : Laboratory chemicals, Manufacture of substances

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

Company identification : MOLYCHEM  
Office: 78/80 Babu Genu Road, Souri Bldg., 2nd Floor,  
Mumbai – 400 002 (INDIA)  
Tel: +91 22 4066 8111, 2205 7772 . Fax: + 91 22 2203 4442.  
Email : [info@molychem.net](mailto:info@molychem.net)  
Works: Plot No. B/9, Badlapur M.I.D.C., OPP. Shobhavat Textile  
Co., Kulgaon, Badlapur (E), Dist.-Thane-421 503.

### **1.4. Emergency telephone number**

Emergency number : +91 22 4066 8111 (10:00am - 6:00 pm)

## **2. Hazards identification -DSD**

### **2.1. Classification of the substance or mixture**

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

### **2.2. Label elements**

Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.

### **2.3. Other hazards**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## **3. Composition/information on ingredients**

### **3.1 Substances**

Synonyms : D-SORBITOL  
Formula :  $C_6H_{14}O_6$   
Molecular weight : 182.17 g/mol  
CAS-No. : 50-70-4

## **4. First aid measures**

### **4.1. Description of first aid measures**

#### **If inhaled**

After inhalation: fresh air.

#### **In case of skin contact**

In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower.

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## **In case of eye contact**

After eye contact: rinse out with plenty of water. Remove contact lenses.

## **If swallowed**

After swallowing: make victim drink water (two glasses at most). Consult doctor if feeling unwell.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

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

No data available

## **5. Fire-fighting measures**

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

Water Foam Carbon dioxide (CO<sub>2</sub>) Dry powder

#### **Unsuitable extinguishing media**

For this substance/mixture no limitations of extinguishing agents are given.

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

Carbon oxides

Combustible.

Development of hazardous combustion gases or vapours possible in the event of fire.

### **5.3. Advice for fire-fighters**

In the event of fire, wear self-contained breathing apparatus.

### **5.4 Further information**

Prevent fire extinguishing water from contaminating surface water or the ground water system.

## **6. Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert.

For personal protection see section 8.

### **6.2. Environmental precautions**

Do not let product enter drains.

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

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

### **6.4. Reference to other sections**

For disposal see section 13.

## **7. Handling and storage**

### **7.1. Precautions for safe handling**


For precautions see section 2.2.

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

### Storage conditions

Tightly closed. Dry.

### Storage class

Storage class (TRGS 510): 11: Combustible Solids

## 7.3. Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

## 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.  
 Skin protection : Wear suitable protective clothing.  
 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	crystals
Color	white
Odor	No data available
Melting point/freezing point	Melting point/range: 98 - 100 °C
Initial boiling point and boiling range	105 °C at 1.013 hPa
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Flash point	Not applicable
Autoignition temperature	No data available
Decomposition temperature	No data available
pH	5.0 - 7 at 182 g/l at 25 °C
Viscosity	Viscosity, kinematic : No data available Viscosity, dynamic : No data available
Water solubility	182 g/l at 20 °C - completely soluble
Partition coefficient: n-octanol/water	No data available

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Vapor pressure	< 0,1 hPa at 25 °C
Density	1,49 g/cm <sup>3</sup> at 20 °C
Relative density	No data available
Relative vapor density	No data available
Particle characteristics	No data available
Explosive properties	No data available
Oxidizing properties	None

## 9.2. Other information

No data available

## 10. Stability and reactivity

### 10.1. Reactivity

The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.

### 10.2. Chemical stability

The product is chemically stable under standard ambient conditions (room temperature) .

### 10.3. Possibility of hazardous reactions

Violent reactions possible with:  
Strong oxidizing agents

### 10.4. Conditions to avoid

no information available

### 10.5. Incompatible materials

No data available

### 10.6. Hazardous decomposition products

In the event of fire: see section 5

## 11. Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity	: Not classified
Skin corrosion/irritation	: No data available
	pH: 5 - 7 at 182 g/l at 25 °C
Serious eye damage/irritation	: No data available.
	pH: 5 - 7 at 182 g/l at 25 °C
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: No data available
Specific target organ toxicity (repeated exposure)	: Not classified

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Aspiration hazard : Not classified

## **12. Ecological information**

### **12.1. Toxicity**

No data available

### **12.2 Persistence and degradability**

No data available

### **12.3 Bioaccumulative potential**

No data available

### **12.4 Mobility in soil**

No data available

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

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### **12.6 Endocrine disrupting properties**

#### **Product:**

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

### **12.7 Other adverse effects**

No data available

## **13. Disposal considerations**

### **13.1. Waste treatment methods**

No data available

## **14. Transport information**

### **14.1. UN number**

ADR/RID: -

IMDG :

IATA:

### **14.2. UN proper shipping name**

ADR/RID :

Not dangerous goods

IMDG:

Not dangerous goods

IATA:

Not dangerous goods

### **14.3. Transport hazard class(es)**

ADR/RID :

IMDG :

IATA :

### **14.4. Packaging group**

ADR/RID :

IMDG :

IATA :

### **14.5 Environmental hazards**

ADR/RID : no

IMDG : Marine pollutant: no

IATA : no

### **14.6 Special precautions for user**

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No data available

## **Further information**

Not classified as dangerous in the meaning of transport regulations.

## **15. Regulatory information**

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

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

### **15.2. Chemical Safety Assessment**

For this product a chemical safety assessment was not carried out

## **16. Other information**

### **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.

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008  
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## **End of document**

**Prepared by: MOLYCHEM (INDIA)**


**For questions contact: MOLYCHEM**

**Office:** Maker Tower 'E', 41-A2, 4th Floor, Above Maker Arcade,  
Cuffe Parade, Mumbai 400 005 (INDIA)  
Tel: +91 22 4066 8111, 2205 7772 . Fax: + 91 22 2203 4442.

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