

## Material Safety Data Sheet

Date Printed: 29/JUL/2007  
Date Updated: 06/FEB/2006  
Version 1.2  
Regulation (EC) No 1907/2006

---

1 - Product and Company Information

---

Product Name                    DEXTROSE, MEETS USP TESTING  
                                  SPECIFICATIONS  
Product Number                D9559  
  
Company                         Sigma-Aldrich Pte Ltd  
                                  #02-14 The Capricorn, Sci. Park II  
                                  Singapore 117528  
                                  Singapore  
Technical Phone #              (65) 6779 1200  
Fax                                (65) 6779 1822

---

2 - Hazards Identification

---

SPECIAL INDICATION OF HAZARDS TO HUMANS AND THE ENVIRONMENT  
Not hazardous according to Directive 67/548/EEC.

---

3 - Composition/Information on Ingredients

---

Product Name	CAS #	EC no	Annex I Index Number
DEXTROSE MONOHYDRATE    MEETS USP TESTING SPECS.	14431-43-7	None	None

Formula                         C6H12O6 · H2O  
Molecular Weight            198.2 AMU

---

4 - First Aid Measures

---

## AFTER INHALATION

If inhaled, remove to fresh air. If breathing becomes difficult,  
call a physician.

## AFTER SKIN CONTACT

In case of contact, immediately wash skin with soap and copious  
amounts of water.

## AFTER EYE CONTACT

In case of contact with eyes, flush with copious amounts of  
water for at least 15 minutes. Assure adequate flushing by  
separating the eyelids with fingers. Call a physician.

## AFTER INGESTION

If swallowed, wash out mouth with water provided person is  
conscious. Call a physician.

---

5 - Fire Fighting Measures

---

## EXTINGUISHING MEDIA

Suitable: Water spray. Carbon dioxide, dry chemical powder, or  
appropriate foam.



Vapor Pressure	N/A
SG/Density	N/A
Partition Coefficient	N/A
Viscosity	N/A
Vapor Density	N/A
Saturated Vapor Conc.	N/A
Evaporation Rate	N/A
Bulk Density	N/A
Decomposition Temp.	N/A
Solvent Content	N/A
Water Content	N/A
Surface Tension	N/A
Conductivity	N/A
Miscellaneous Data	N/A
Solubility	Solubility in Water:1.0 M in H2O clear, colorless

---

## 10 - Stability and Reactivity

---

### STABILITY

Stable: Stable.

Materials to Avoid: Strong oxidizing agents.

### HAZARDOUS DECOMPOSITION PRODUCTS

Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide.

### HAZARDOUS POLYMERIZATION

Hazardous Polymerization: Will not occur

---

## 11 - Toxicological Information

---

### SIGNS AND SYMPTOMS OF EXPOSURE

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

### ROUTE OF EXPOSURE

Skin Contact: May cause skin irritation.

Skin Absorption: May be harmful if absorbed through the skin.

Eye Contact: May cause eye irritation.

Inhalation: Material may be irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled.

Ingestion: May be harmful if swallowed.

---

## 12 - Ecological Information

---

No data available.

---

## 13 - Disposal Considerations

---

### SUBSTANCE DISPOSAL

Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

---

## 14 - Transport Information

---

### RID/ADR

Non-hazardous for road transport.

### IMDG

Non-hazardous for sea transport.

IATA

Non-hazardous for air transport.

---

#### 15 - Regulatory Information

---

Not hazardous according to Directive 67/548/EEC.

Caution: Substance not yet fully tested (EU).

#### COUNTRY SPECIFIC INFORMATION

Germany

WGK: 3

Self-Classification

---

#### 16 - Other Information

---

#### WARRANTY

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Inc., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. Copyright 2007 Sigma-Aldrich Co. License granted to make unlimited paper copies for internal use only.

#### DISCLAIMER

For R&D or manufacturing use. Not for prescription compound or other uses.