



**Dextran 60 For Molecular Biology**  
**CAS No 9004-54-0**

**MATERIAL SAFETY DATA SHEET**  
**SDS/MSDS**

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1 Product identifiers**

Product name : Dextran 60 For Molecular Biology

CAS No. : 9004-54-0

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

Identified uses : Laboratory chemicals, Industrial & for professional use only.

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

Company : Central Drug House (P) Ltd  
7/28 Vardaan House  
Ansari Road Daryaganj  
New Delhi-110002  
INDIA

Telephone : +91 11 49404040

Email : [care@cdhfinechemical.com](mailto:care@cdhfinechemical.com)

**1.4 Emergency telephone number**

Emergency Phone # : +91 11 49404040 (9:00am - 6:00 pm) [Office hours]

**SECTION 2 Hazards identification**

**SECTION 3 Composition/information on ingredients**

**Substance related information**

*Substance name* : Dextran 60 - MW: 54,000 to 66,000

*name*

*Synonyms* : [9004-54-0]

*Cas No.*

*Formula* :  $(C_6H_{10}O_5)_n$

**SECTION 4 First aid measures**

**First Aid: Eye**

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult an ophthalmologist.

**First Aid: Skin**

Wash immediately with plenty of water and soap for at least 15 minutes. Remove contaminated clothing and shoes. Wash contaminated clothes before reuse. Call a physician.

**First Aid: Ingestion**

Wash out mouth with water provided person is conscious. Call a physician.

**First Aid: Inhalation**

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Call a physician.

**Hints for Physician: Treatment**

Treat symptomatically.

**SECTION 5 Firefighting measures****Extinguishing Media****Suitable**

foam, dry extinguishing powder, carbon dioxide (CO<sub>2</sub>), water spray jet

**Hazards During Fire-Fighting**

toxic fumes

**Protective Equipment for Fire-Fighting**

Wear a self-contained breathing apparatus and chemical protective clothing.

**Fire-Fighting/Further Advice**

Do not inhale explosion and combustion gases. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.

**SECTION 6 Accidental release measures****Personal Precautions**

Wear breathing apparatus if exposed to vapours/dusts/aerosols. Provide adequate ventilation.

**Environmental Precautions**

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Ensure all waste water is collected and treated via a waste water treatment plant.

**Methods for Cleaning or Taking Up**

not available

**Further Accidental Release Measures**

Collect in closed and suitable containers for disposal. Clear contaminated areas thoroughly. Ventilate affected area.

**SECTION 7 Handling and storage****Handling****Handling advice**

Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation. Avoid prolonged or repeated exposure. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling.

**Storage****Storage temperature**

store at 10°C - 25°C

**Storage Requirements**

Keep away from incompatible substances. Store in a cool, dry, well-ventilated area away from incompatible substances.

## **SECTION 8 Exposure controles/personal protection**

### **Exposure controles**

#### **Industrial Hygiene**

Mechanical exhaust required. Safety shower and eye shower.

#### **Personal Protective Equipment**

#### **Respiratory Protection**

Wear NIOSH/MSHA or European Standard EN 149 approved respirator.

#### **Hand Protection**

Wear compatible chemical-resistant gloves to prevent skin exposure.

#### **Eye Protection**

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA.

#### **Body Protection**

Wear compatible chemical-resistant gloves and clothing to prevent skin exposure.

#### **Advice on Safe Handling**

Wash contaminated clothing before reuse. Wear appropriate protective clothing to prevent exposure.

## **SECTION 9 Physical and chemical properties**

### **Color**

white

### **Form**

powder

## **SECTION 10 Stability and reactivity**

### **Conditions to Avoid**

incompatible materials

### **Substances to Avoid**

strong oxidizers

### **Decomposition Products**

nitrogen oxides (NO<sub>x</sub>), carbon dioxide (CO<sub>2</sub>), carbon monoxide

## **SECTION 11 Toxicological information**

### **Acute Toxicity**

LD50 oral, Rat, 3,000 mg/kg

### **Other Relevant Toxicity Information**

We are not aware of any toxicology data.

## **SECTION 12 Ecological Information**

### **Biodegradation**

no data available

### **Bioaccumulation**

no data available

### **Distribution in Environment**

no data available

**SECTION 13 Disposal considerations**

**Advice on Disposal and Packaging**

*Advice on Disposal*

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and Exhaust air. Dispose of waste according to laws applicable.

*Advice on Packaging*

not available

**SECTION 14 Transport information**

**Road Transport (ADR/GGVS)**

*not regulated*

**Air Transport (IATA)**

*not regulated*

**SECTION 15 Other regulations**

**Other Regulations**

not available

<b>Component</b>	<b>REACH (1907/2006) - Annex XIV - Substances Subject to Authorization</b>	<b>REACH (1907/2006) - Annex XVII - Restrictions on Certain Dangerous Substances</b>	<b>REACH Regulation (EC 1907/2006) article 59 - Candidate List of Substances of Very High Concern (SVHC)</b>
Dextran 60 - MW: 54,000 to 66,000	-----	-----	-----

**SECTION 16: Other information**

**Further information**

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. Central Drug House (P) Ltd and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See [www.cdhfinechemical.com](http://www.cdhfinechemical.com) for additional terms and conditions of sale.