

## SAFETY DATA SHEET

### SECTION 1. Identification of the substance/mixture and of the company

1. Identification of the substance or mixture  
Product No:60316  
Product Name: Dextran Sulfate Sodium Salt (DSS) MW:36000~50000
2. Recommended use of the chemical and restrictions on use  
Relevant identified uses: For research use only.  
Uses advised against: Not used for diagnostic procedures.
3. Details of the supplier of the safety data sheet  
Yeasen Biotechnology (Shanghai) Co., Ltd.  
Tianxiong Road, Pudong New Area Shanghai International Medical Zone, Shanghai, China.  
Hotline: +86-400-6111-883.  
Fax: 021-34615995.

### SECTION 2. Hazard Identification

1. GHS (Globally Harmonized System) Classification.
2. Signal word: None.
3. Health hazards: Not classified.
4. Physical hazards: Not classified.
5. Hazard statements: Not applicable.
6. Precautionary Statements: Not applicable.
7. Principle Routes of Exposure/Potential Health effects  
Eyes: Causes serious eye irritation  
Skin: May cause skin irritation in susceptible individuals.  
Inhalation: May be harmful if inhaled.  
Ingestion: May be harmful if swallowed.
8. Specific effects  
Carcinogenic effects: None.  
Mutagenic effects: None.  
Reproductive toxicity: None.  
Sensitization: None.

### SECTION 3. Composition/information on ingredients

Component	Cas No.	Weight Percent
Dextran sulfate sodium salt	9011-18-1	>98%

Harm:Skin irritation, eye irritation, respiratory tract irritation

### SECTION 4. First aid measures

1. Skin contact: Rinse cautiously with water for 15 minutes. Immediate medical attention is not required.
2. Eye contact: Rinse cautiously with water for 15 minutes. Remove contact lenses, if present

and easy to do.

3. Ingestion: Swallowing by mistake: drink enough milk or water, induce vomiting, and seek medical attention.
4. Inhalation: Transfer the wounded to an air circulation place, i.e. see a doctor.
5. Notes to Physician: Treat symptomatically.
6. Most important symptoms and effects, both acute and delayed: Not applicable

### **SECTION 5. Fire-Fighting measures**

1. Suitable Extinguishing media: Carbon dioxide (CO<sub>2</sub>), Foam, Dry chemical.
2. Unsuitable Extinguishing media: No information available.
3. Special hazards arising from the substance or mixture: No information available.
4. Protective equipment and precautions for firefighters: Standard procedure for chemical fires.

### **SECTION 6. Accidental release measures**

1. Environmental precautions: Don't let the product come into contact with the sewage system or any water source. If it seeps into the water source or sewage system, please inform the relevant departments.
2. Methods and material for containment and cleaning up: Collect with a vacuum cleaner to avoid dust generation. Attachments or collections should be stored in suitable closed containers for waste / contaminated disposal.
3. Personal precautions, protective equipment and emergency procedures: Wear appropriate protective measures, refer to (Part 8) to avoid inhalation of powder, contact with skin and eyes.

### **SECTION 7. Handling and storage**

1. Handling: Always wear recommended Personal Protective Equipment. Wear personal protective equipment.
2. Storage: Keep in a dry, cool and well-ventilated place. Keep in properly labeled containers.
3. Specific end use (s): **For research use only.**

### **SECTION 8. Exposure controls/personal protection**

1. Exposure Limits: We are not aware of any national exposure limit.
2. Engineering measures: Ensure adequate ventilation, especially in confined areas.
3. Personal protective equipment: Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific to the risk assessment of each laboratory that may use the material.

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

Hand Protection: Impervious gloves.

Eye protection: Safety glasses with side-shields.

Skin and body protection: Lightweight protective clothing.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

4. Environmental exposure controls: No special environmental precautions are required.

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

Physical and Chemical Properties	Information	Physical and Chemical Properties	Information
Form	powder	Flammability (solid, gas)	Non flammable
Appearance	off-white	Oxidising properties	No Data
Odour	odorlessness	Water solubility	Soluble in water
Odour Threshold	No Data	Upper explosion limit	No Data
Boiling point / boiling range	No Data	Lower explosion limit	No Data
Melting point / melting range	No Data	Partition coefficient: n-octanol/water	No Data
flash point	No Data	Vapour Pressure	No Data
Autoignition temperature	No Data	vapour density	No Data
Evaporation rate	No Data	Viscosity	No Data
pH value	5-7.5 (6% aqueous solution)	Other informations	No Data

### SECTION 10. Stability and reactivity

1. Chemical stability: Stable under normal conditions.
2. Reactivity: None known.
3. Possibility of hazardous reactions: Hazardous reaction has not been reported.
4. Conditions to avoid: No information available.
5. Incompatible materials: Strong acids. Strong oxidants.
6. Hazardous decomposition products: No data available.

### SECTION 11: Toxicological information

1. Acute toxicity: No toxicology information is available.
2. Principle Routes of exposure potential Health effects.
  - Eyes: May cause eye irritation in susceptible individuals.
  - Skin: May cause skin irritation in susceptible individuals.
  - Inhalation: May be harmful by inhalation.
  - Ingestion: May be harmful if swallowed.
  - Carcinogenic effects: None.
  - Mutagenic effects: None.
  - Reproductive toxicity: None.
  - Sensitization: None.

### SECTION 12: Ecological information

1. Ecotoxicity: Contains no substances known to be hazardous to the environment or non-degradable in wastewater treatment plants.
2. Mobility: No information available.
3. Biodegradation: No information available.
4. Bioaccumulation: No information available.

### SECTION 13: Disposal considerations

Dispose of contents/containers in accordance with local regulations.

**SECTION 14: Transport information**

IATA

Proper Shipping Name: Not classified as dangerous according to shipping regulations.

Hazard Class: None.

Subsidiary class: None

Packing group: None.

UN-No: None.

**SECTION 15: Regulatory information**

1. International Inventories: No information available.
2. China: No information available.

**SECTION 16: Other information**

1. Indication of changes: GHS aligned.
2. Training instructions: Use as instructed.
3. Further information: The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. This SDS has been prepared for use with this product only.
4. Notice to readers: The information and recommendations in this safety data sheet should be regarded as a supplement to existing regulations and relevant information that should be known before. It is the responsibility of the users to determine the applicability of this information and the suitability of the material or product for any particular purpose. The health and safety of employees while using this product should be taken responsibly by the employer.

This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.

**End of Safety Date Sheet**