



SIMACRON
ADVANCED MATERIALS

Guangzhou Ximeikang Biotechnology Co., Ltd.

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SDS (Safety Data Sheet)

Dextran 40

Section 1: Identification

Product Name: Dextran 40

CAS Number: 9004-54-0

Molecular Weight:

- Dextran 40: **Average Mw 35,000–45,000 Da**

Recommended Use: Laboratory reagent / Research use

Supplier:

- Guangzhou Ximeikang Biotechnology Co., Ltd.
- info@simacron.com

Emergency Contact:

For technical inquiries, please contact: info@simacron.com

Section 2: Hazards Identification

*SIMACRON Advanced Materials
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GHS Classification:

Not classified as hazardous

Label Elements:

- Signal Word: None
- Hazard Statements: None
- Precautionary Statements:
 - Avoid inhalation of dust
 - Avoid contact with the eyes

Other Hazards:

Dust may cause mild irritation

Section 3: Composition / Information on Ingredients

Component	CAS No.	Content
Dextran	9004-54-0	≥ 99%
Water	7732-18-5	≤5%

Section 4: First Aid Measures

- **Inhalation:** Move to fresh air
 - **Skin Contact:** Wash with water
 - **Eye Contact:** Rinse with water for 15 minutes
 - **Ingestion:** Rinse mouth, seek medical advice if needed
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Section 5: Fire-Fighting Measures

- Suitable extinguishing media: Water spray, foam, CO₂
 - Hazard: May produce CO, CO₂ upon combustion
 - Protective equipment: Standard fire protection gear
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Section 6: Accidental Release Measures

- Avoid dust formation
 - Sweep and collect into a container
 - Dispose of according to local regulations
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Section 7: Handling and Storage

Handling:

- Avoid dust inhalation
- Use in a ventilated area

Storage:

- Store in a cool, dry place
 - Keep the container tightly closed
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Section 8: Exposure Controls / Personal Protection

Exposure Limits: Not established

Personal Protective Equipment:

- Gloves
- Safety glasses
- Lab coat
- Dust mask (if needed)

Section 9: Physical and Chemical Properties

Property	Value
Appearance	White to off-white powder
Odor	Odorless
Solubility	Soluble in water
pH	5.5 - 7.0
Moisture Content	≤5.0%
Bulk Density	Typical 0.3–0.6 g/cm ³ (non-specification value)
Flash Point	Not applicable
Autoignition Temperature	Not determined

Section 10: Stability and Reactivity

- **Reactivity:**
No dangerous reactions are known under normal conditions.
 - **Chemical Stability:**
Stable under normal storage and handling conditions.
 - **Possibility of Hazardous Reactions:**
No hazardous polymerization or dangerous reactions are expected.
 - **Conditions to Avoid:**
Excessive heat, moisture, and dust formation.
 - **Incompatible Materials:**
Strong oxidizing agents.
 - **Hazardous Decomposition Products:**
Carbon monoxide (CO), carbon dioxide (CO₂) may be formed upon thermal decomposition or combustion.
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Section 11: Toxicological Information

- Acute toxicity: No known significant acute toxicity.
 - Not classified as hazardous
 - May cause mechanical irritation
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Section 12: Ecological Information

- Biodegradable
 - No known significant environmental hazard
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Section 13: Disposal Considerations

- Dispose of in accordance with local regulations

Section 14: Transport Information

- Not regulated as dangerous goods
 - UN Number: Not applicable
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Section 15: Regulatory Information

- Listed on TSCA Inventory (USA)
 - Not classified as hazardous under GHS
 - Users are responsible for compliance with local, national, and international regulations
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Section 16: Other Information

- Issue Date: 10 Jun 2026
- Revision Number: 1.0