

# Material Safety Data Sheet

MSDS No.: MSDS#8012091E

Product Name: Precast SDS-PAGE Gel 4-20% 15 Wells

First Revision Date: 2024.06.10

Last Revision Date: 2024.11.28 Version No.:2.0

## Section 1: Chemical Product & Company Identification

### Identification of the Substance or Mixture

Product Code: 8012091

Product Name: Precast SDS-PAGE Gel 4-20% 15 Wells

### Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

#### Identified uses

For research use only. Not applicable for diagnostic procedures.

#### Uses advised

Not for consumer use.

### Identification of the Company/Undertaking

Manufacturer: Shenzhen Dakewe Bio-engineering Co., Ltd.

Address: Room 702-703, Building No.1, Shenzhen Biomedicine Innovations Industrial Park, No.14 Jinhui Road, Kengzi Street, Pingshan District, Shenzhen, China

**24-hour emergency response for hazardous articles [or hazardous goods] accidents. For spill, release, fire, exposure or accident, call Chemical Transportation Emergency Center (CHEMTREC).**

International: +1-703-741-5970 and +1-703-527-3887

China: 4001-204937

USA: 1-800-424-9300 and +1-703-527-3887

National/regional emergency number (if any)

CHEMTREC Hong Kong (Hong Kong) 800-968-793

CHEMTREC Singapore 800-101-2201 and +(65)-31581349

CHEMTREC Taiwan 0081-14-8954

## Section 2: Hazards Identification

### GHS Classification

Not Hazardous

### Label Elements

#### Signal word

None

#### Hazard pictograms

Not Applicable

#### Hazard pictographs

Not Applicable

#### Hazard statements

Not Applicable

#### Precautionary statements

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Not Applicable

## Section 3: Composition/Information on Ingredients

| Component | CAS No.   | %    |
|-----------|-----------|------|
| Bis-Tris  | 6976-37-0 | 6.63 |
| Glycerol  | 56-81-5   | 4-6  |

## Section 4: First Aid Measures

### Description of first aid measures

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##### Skin contact

Rinse well with soap and plenty of water. Consult a doctor.

##### Eye contact

Rinse immediately with plenty of water, also under eyelids, for at least 15 minutes. Immediate medical attention is required. Keep your eyes open when rinsing.

##### Ingestion

Not expected to present a significant ingestion hazard under anticipated conditions of normal use. Never give anything to an unconscious person. Rinse mouth with water. Consult a doctor.

##### Inhalation

Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. If inhaled, remove victim to fresh air. If not breathing, give artificial respiration. Consult a doctor.

##### Notes to Physician

Treat symptomatically.

### Most important symptoms and effects, both acute and delayed

Not applicable

### Indication of any immediate medical attention and special treatment

None

## Section 5: Fire-fighting Measures

### Extinguishing media

#### Suitable extinguishing media

Water spray. Carbon dioxide (CO<sub>2</sub>). Foam. Dry chemical.

#### Unsuitable extinguishing media

No information available.

### Special hazards arising from the substance or mixture

Not known.

### Advice for firefighters

Standard procedure for chemical fires.

## Section 6: Accidental Release Measures

### Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Always wear recommended personal protective equipment. Use personal protective equipment. See Section 8 for more details.

### Environmental precautions

Do not allow product to reach ground water, water course, or sewage system.

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## Methods and materials for containment and cleaning up

Clean up spill immediately, observing precautions in the Material Safety Data Sheet and labels. If necessary, recycle material using inert absorbent material and place in chemical waste container.

## Reference to other sections

See Section 8 for more details.

## Section 7: Handling and Storage

### Precautions for safe handling

Work under hood. Do not inhale substance/mixture. Avoid generation of vapours/aerosols.

### Conditions for safe storage, including any incompatibilities

Keep container at 2°C~8°C.

### Specific end uses

For research use only.

## Section 8: Exposure Controls/Personal Protection

### Control parameters

Contain no substances with occupational exposure limit values.

### Exposure Controls

#### Personal Protective Equipment

##### Respiratory protection

In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards.

##### Hand protection

Wear suitable gloves. Glove material: Compatible chemical-resistant gloves.

##### Eye protection

Tight sealing safety goggles

##### Skin and Body Protection

Wear suitable protective clothing

##### Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice.

##### Environmental exposure controls

If safety requires, prevent further leaks or spills.

## Section 9: Physical and Chemical Properties

### Information on basic physical and chemical properties

#### Physical state

Transparent gel

#### Odour

No data

#### Odour Threshold

No data

#### pH

No data

#### Melting point / melting range

°C No data °F No data

#### Boiling point / boiling range

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°C No data °F No data

## Flash point

°C No data °F No data

## Autoignition Temperature

°C No data °F No data

## Decomposition temperature

°C No data °F No data

## Evaporation rate

No data

## Flammability (solid, gas)

No data

## Upper explosion limit

No data

## Lower explosion limit

No data

## Vapour Pressure

No data

## Relative density

No data

## Specific gravity

No data

## Solubility

No data

## Partition coefficient:

No data

## n-octanol/water Viscosity

No data

## Explosive properties

No data

## Oxidising properties

No data

## Other information

No data available

## Section 10: Stability and Reactivity

### Reactivity

None known.

### Chemical stability

Stable under normal conditions.

### Possibility of hazardous reactions

Hazardous reaction has not been reported.

### Conditions to avoid

No data available.

### Incompatible materials

No data available.

### Hazardous decomposition products

No data available.

## Section 11: Toxicological Information

### Information on toxicological effects

### Principal Routes of Exposure

Skin corrosion/irritation

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Data are conclusive but insufficient for classification

## **Serious eye damage/irritation**

Data are conclusive but insufficient for classification

## **Respiratory or skin sensitisation**

Data are conclusive but insufficient for classification

## **Specific target organ toxicity (STOT)–single exposure**

Data are conclusive but insufficient for classification

## **Specific target organ toxicity (STOT)–repeated exposure**

Data are conclusive but insufficient for classification

## **Carcinogenicity**

Data are conclusive but insufficient for classification

## **Germ cell mutagenicity**

Data are conclusive but insufficient for classification

## **Reproductive Toxicity**

Data are conclusive but insufficient for classification

## **Aspiration hazard**

Data are conclusive but insufficient for classification

## Section 12: Ecological Information

### **Toxicity**

Contains no substances that are hazardous to the environment or that cannot be degraded in wastewater treatment plants.

### **Mobility in soil**

No data available.

### **Persistence and degradability**

No data available.

### **Bioaccumulative potential**

No data available.

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

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

### **Other adverse effects**

No data available.

## Section 13: Disposal Considerations

### **Waste disposal methods**

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in accordance with approved disposal technique. Contact a licensed professional waste disposal service to dispose of this product, its solutions or any by-products. Observe all federal, state, and local environmental regulations.

## Section 14: Transport Information

### **IATA / ADR / DOT-US / IMDG**

Not regulated in the meaning of transport regulations UN proper shipping name

### **UN number**

Not applicable

### **UN proper shipping name**

Not applicable

### **Transport hazard classes**

Not applicable

### **Packaging group**

Not applicable

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## Environmental hazards

Not applicable

## Special precautions for user

Not applicable

## Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## Section 15: Regulatory Information

### International Inventory

| 组分       | US TSCA | US CERCLA | US SARA 302 | US SARA 313 | US SARA 311/312 |
|----------|---------|-----------|-------------|-------------|-----------------|
| Bis-Tris | Listed  | None      | None        | None        | None            |
| Glycerol | Listed  | None      | None        | None        | None            |

| 组分       | EU 1999/45/EC | (EINECS)欧洲现有化学物质清单 | 加拿大(DSL) | 加拿大(CPR) |
|----------|---------------|--------------------|----------|----------|
| Bis-Tris | None          | Listed             | Listed   | Listed   |
| Glycerol | None          | Listed             | Listed   | Listed   |

### UN - Chemical Weapons Convention (CWC)

Not applicable

### South Korea

Not applicable

### Singapore

Not applicable

### Taiwan (China)

Not applicable

### China

Not applicable

## Section 16: Other Information

For research use only. Not for use in diagnostic procedures.

### References

- ECHA: <http://echa.europa.eu/>
- TOXNET: <http://toxnet.nlm.nih.gov/>
- eChemPortal: <http://www.echemportal.org/>
- LOLI database: <https://www.chemadvisor.com/loli-database>

### Abbreviations and Acronyms

TWA - Time-weighted average

OELs - Occupational exposure limits

STEL - Short-term exposure limit

DSL/NDSL - Canada Domestic Substances List/Non-domestic Substance List

KECL - Korea Existing Chemicals List

ENCS - Japanese Existing and New Chemical Substances

IECSC - Inventory of Existing Chemical Substances Produced or Imported in China

PICCS - Philippine Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

NZIoC - New Zealand Inventory of Chemicals

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/European List of Notified Chemical Substances

TSCA - Chemical Substance Inventory, Section 8 (b) of Toxic Substance Control Act

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**CEPA - Canadian Environmental Protection Act**

**EPA - Environmental Protection Agency**

**OSHA - Occupational Safety and Health Administration, United States Department of Labor**

**IATA - International Air Transport Association**

**DOT - Department of Transportation**

**IMDG - International Maritime Dangerous Goods**

**ACGIH - American Conference of Governmental Industrial Hygienists**

**NIOSH - National Institute for Occupational Safety and Health**

**AIHA - American Industrial Hygiene Association**

**HMIS - Hazardous Materials Information System, Department of Defense**

**NTP - National Toxicology Program**

**IARC - International Agency for Research on Cancer**

"The information contained here has been compiled through diligent searches and/or investigations. The recommendations given should be used with caution based on professional judgment. The information given should not be considered all-inclusive and should be interpreted as guidance only. All materials and mixtures may present unknown hazards and should be used with caution. Our company assumes no responsibility for damages or losses resulting from handling or exposure to the product described herein, since we have no control over the actual methods, quantities or conditions of use.

**The information in this SDS does not constitute any express or implied warranty, including any implied warranty of merchantability or fitness for a particular purpose."**

**End of Safety Data Sheet**