

Material Safety Data Sheet

MSDS No.: MSDS#8012081E
Product Name: Precast SDS-PAGE Gel 4-20% 12 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: 8012081
Product Name: Precast SDS-PAGE Gel 4-20% 12 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

Description of first aid measures

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 (CO₂). 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