

Material Safety Data Sheet

MSDS No.: MSDS#8015071E

First Revision Date: 2024.03.21

Product Name: Fast Western Blot Transfer Buffer 10×

Last Revision Date: 2024.03.22 Version No.:1.0

Section 1: Chemical Product & Company Identification

Identification of the Substance or Mixture

Product Code: 8015071/8015072

Product Name: Fast Western Blot Transfer Buffer 10×

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

Classification according to Regulation (EC) No. 1272/2008

Eye irritation (Category 2), H319

Label Elements

Signal word

None

Hazard pictograms

None

Hazard pictographs

Warn

Hazard statements

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H319 Causes serious eye irritation

Precautionary statements

Prevention

P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.
P337+P313 IF eye irritation persists: Get medical advice/attention.

Section 3: Composition/Information on Ingredients

Common Name No data available.
Molecular formula No data available.
Molecular weight No data available.

Component	Classification	Concentration or Concentration Range
Fast Western Blot Transfer Buffer 10×	No data available.	10×

The product contains no substances which at their given concentration, are considered to be hazardous to health. We recommend handling all chemicals with caution.

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

Never give anything to an unconscious person. Rinse mouth with water. Consult a doctor.

Inhalation

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.

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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

Prevent products from entering sewers.

Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose as hazardous waste. Place in suitable closed containers for disposal.

Reference to other sections

See Section 8 for more details.

Section 7: Handling and Storage

Precautions for safe handling

Use required personal protective equipment, no special operating advice required.

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. Do not let product enter drains.

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties

Physical state

Colorless transparent liquid

Odour

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No data

Odour Threshold

No data

pH

No data

Melting point / melting range

°C No data °F No data

Boiling point / boiling range

°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

Contact with acids or bleach liberates toxic gases. DO NOT ADD acids or bleach to any liquid wastes containing this product.

Incompatible materials

No dangerous reaction known under conditions of normal use.

Hazardous decomposition products

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No data available.

Section 11: Toxicological Information

Information on toxicological effects

Principal Routes of Exposure

Skin corrosion/irritation

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

Recycle if possible. Please consult your local local authorities and disposal experts. You dissolve or mix the material with a flammable solvent and burn it bit by bit in a chemical incinerator equipped with an afterburner and scrubber system. If a large amount of this material is burned at once, an explosion may occur. Please comply with all federal, state and local regulations when handling this material.

Section 14: Transport Information

IATA / ADR / DOT-US / IMDG

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

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UN number

Not applicable

UN proper shipping name

Not applicable

Transport hazard classes

Not applicable

Packaging group

Not applicable

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

Not applicable

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

Reason for revision New addition (M)SDS sections.

Revision number 1

Revision date 2024-01-26

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

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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

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