SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Identification of the substance or mixture

Product code D7139
Product name dextran, tetramethylrhodamine, 2,000,000 MW, lysine fixable

Company/undertaking identification

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24 hour Emergency Response for Hazardous Materials [or Dangerous Goods] Incident. Spill, Leak, Fire, Exposure, or Accident. Call CHEMTREC
Within the USA + Canada: 1-800-424-9300 and +1 703-527-3887
Outside the USA + Canada: +1 703-741-5970

Country specific Emergency Number (if available):

CHEMTREC Israel (Tel Aviv)	+(972)-37630639 (Greeting Language: Hebrew)
CHEMTREC Malaysia	1-800-815-308 (Toll Free) (Greeting Language: Malay)
CHEMTREC Malaysia (Kuala Lumpur)	+(60)-327884561 (Greeting Language: Malay)
CHEMTREC Philippines	1-800-1-116-1020 (Toll Free) (Greeting Language: Tagalog)
CHEMTREC Philippines (Manila)	+(63) 632-395-3308 (Greeting Language: Tagalog)
CHEMTREC Saudi Arabia	+(966)-8111095861 (Greeting Language: Arabic and English)
CHEMTREC Singapore	800-101-2201 (Toll Free) (Greeting Language: English and Mandarin)
CHEMTREC Singapore	+(65)-31581349 (Greeting Language: English and Mandarin)
CHEMTREC Australia (Sydney)	+(61)-290372994 (Greeting Language: English)
CHEMTREC New Zealand (Auckland)	+(64)-98010034 (Greeting Language: English)
CHEMTREC South Africa	0-800-983-611 (Greeting Language: English)
CHEMTREC Vietnam (Hanoi)	+(84)-444581771 (welcome Language: Vietnamese)

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SECTION 2: Hazards identification

Australian MSDS Statement Classified as non-hazardous according to the criteria of Worksafe Australia.

GHS - Classification

Signal word
None

Health hazards
Not classified

Physical hazards
Not classified

hazard statements
Not applicable

Precautionary Statements

Prevention
Not applicable

Response
Not applicable

Storage
Not applicable

Disposal
Not applicable

Principle Routes of Exposure/ Potential Health effects

eyes	May cause eye irritation with susceptible persons.
Skin	May cause skin irritation in susceptible persons.
Inhalation	May be harmful by inhalation.

INGESTION May be harmful if swallowed.

Specific effects

Carcinogenic effects None.
Mutagenic effects None.
Reproductive toxicity None.
Sensitisation None.

SECTION 3: Composition/information on ingredients

The product contains no substances which at their given concentration, are considered to be hazardous to health.

SECTION 4: First aid measures

Skin contact Rinse cautiously with water for several minutes. Immediate medical attention is not required.

Eye contact Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

INGESTION Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.

Inhalation Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.

Most important symptoms and effects, both acute and delayed
Not applicable

Notes to Physician Treat symptomatically.

SECTION 5: Firefighting measures

Suitable extinguishing media Water spray. Carbon dioxide (CO_2). Foam. Dry chemical.
Special protective equipment for firefighters Standard procedure for chemical fires.
Specific hazards arising from the chemical Not known

SECTION 6: Accidental release measures

Personal precautions Always wear recommended Personal Protective Equipment. Use personal protection equipment.

Methods for cleaning up Take up mechanically, placing in appropriate containers for disposal.

Environmental precautions

No special environmental precautions required.

See Section 12 for more information.

SECTION 7: Handling and storage

Handling Always wear recommended Personal Protective Equipment. Wear personal protective equipment.

Storage Keep in a dry, cool and well-ventilated place.

SECTION 8: Exposure controls/personal protection

Exposure Limits

We are not aware of any national exposure limit.

Engineering measures Ensure adequate ventilation, especially in confined areas.

Personal protective equipment
Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific to the risk assessment for each laboratory where this material may be used.

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.

Environmental exposure controls No special environmental precautions required.

SECTION 9: Physical and chemical properties

General information

Form	solid	
Appearance	no data available	
Odour	no data available	
Odour Threshold	no data available	
Boiling point / boiling range	**°C** no data available	**°F** no data available
Melting point / melting range	**°C** no data available	**°F** no data available
flash point	**°C** no data available	**°F** no data available
Autoignition temperature	**°C** no data available	**°F** no data available
Evaporation rate	no data available	
Flammability (solid, gas)	no data available	
Oxidising properties	no data available	
Water solubility	no data available	
Upper explosion limit	no data available	
Lower explosion limit	no data available	
Partition coefficient: n-octanol/water	no data available	
Vapour Pressure	no data available	
vapour density	no data available	
Viscosity	no data available	

pH value	no data available

SECTION 10: Stability and reactivity

Stability	Stable under normal conditions.
Materials to avoid	No dangerous reaction known under conditions of normal use.
Possibility of hazardous reactions	Hazardous reaction has not been reported
Hazardous decomposition products	None under normal use conditions.
polymerisation	Hazardous polymerisation does not occur.
Conditions to avoid	None under normal processing.

SECTION 11: Toxicological information

Acute toxicity

No toxicology information is available.

Principle Routes of Exposure/ Potential Health effects

eyes	May cause eye irritation with susceptible persons.
Skin	May cause skin irritation in susceptible persons.
Inhalation	May be harmful by inhalation.
INGESTION	May be harmful if swallowed.
Carcinogenic effects	None.
Mutagenic effects	None.
Reproductive toxicity	None.
Sensitisation	None.

SECTION 12: Ecological information

Ecotoxicity	Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.
Mobility	No information available.
Biodegradation	No information available.
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 in the meaning of transport regulations.
Hazard Class	None
Subsidiary class	None
Packing group	None
UN-No	None

SECTION 15: Regulatory information

International Inventories

No information available.

Korea

No information available.

Taiwan

No information available

China

No information available

SECTION 16: Other information

Reason for revision SDS sections updated.

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References

- ECHA: http://echa.europa.eu/
- TOXNET: http://toxnet.nlm.nih.gov/
- eChemPortal: http://www.echemportal.org/
- LOLI database

"The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS SDS DOES NOT CONSTITUTE A WARRENTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PUPOSE"

End of Safety Data Sheet