

Safety Data Sheet

according to Regulation (EC) No. 1907/2006

Version 1

Issue Date 2026/07/09

Print Date 2026/09/10

GENERIC MSDS - NO COUNTRY SPECIFIC DATA - NO OEL DATA

1. PRODUCT AND COMPANY IDENTIFICATION

Product name:	Leecoll Density Gradient Medium
Product Number:	P1644
Product Catalog Number:	LCS01/ LCS02
CAS Number:	65455-52-9
Company:	Distolife Shanghai Co., Ltd. No. 430 Miaoqiao Road, Pudong New Area, Shanghai, China, 201315 Tel / Fax: +86 2160142788
REACH No.	A registration number is not available for this substance as the substance or its uses are exempted from registration or the annual tonnage does not require a registration.
Emergency Phone:	+86 2160142788 (CN)
Identified uses:	Laboratory chemicals, Manufacture of substances

2. HAZARDS IDENTIFICATION

Not a hazardous substance or mixture.

Emergency Overview	
Appearance	Cloudy
Color	Light yellow
GHS Classification	Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.
GHS label elements	No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.
Physical and chemical hazards	Not classified based on available information.
Health hazards	Not classified based on available information.
Environmental hazards	Not classified based on available information.
Other hazards	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
Ecological information	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
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3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures	
Components	No hazardous ingredients

4. FIRST AID MEASURES

If inhaled	After inhalation: fresh air.
In case of skin contact	In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water / shower.
In case of eye contact	After eye contact: rinse out with plenty of water. Remove contact lenses.
If swallowed	After swallowing: make victim drink water (two glasses at most). Consult doctor if feeling unwell.
Most important symptoms and effects, both acute and delayed	The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11
Protection of first-aiders	For personal protection see section 8.
Notes to physician	No data available

5. FIREFIGHTING MEASURES

Suitable extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	For this substance/mixture no limitations of extinguishing agents are given.
Specific hazards during fire fighting	Not Combustible.
Hazardous combustion products	Ambient fire may liberate hazardous vapours. Carbon oxides
Specific extinguishing methods	Prevent fire extinguishing water from contaminating surface water or the ground water system.
Special protective equipment for fire-fighters	In the event of fire, wear self-contained breathing apparatus.
Further information	Suppress (knock down) gases/vapours/mists with a water spray jet.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Advice for non-emergency personnel: Do not breathe vapours, aerosols. Evacuate the danger area, observe emergency procedures, consult an expert. Advice for emergency responders: For personal protection see section 8.
Environmental precautions	No special precautionary measures necessary.
Methods and materials for containment	Observe possible material restrictions (see sections 7 and 10).

and cleaning up	Take up with liquid-absorbent material (e.g. Chemizorb®). Dispose of properly. Clean up affected area.
Reference to other sections	For disposal considerations see section 13.

7. HANDLING AND STORAGE

Precautions for safe Handling	For precautions see section 2.2.
Hygiene measures	Change contaminated clothing. Wash hands after working with substance.
Avoidance of contact	Strong oxidizing agents
Conditions for safe storage conditions, including any incompatibilities	
Further information on Storage condition	Tightly closed.
Storage class	12, Non Combustible liquids
Recommended storage temperature	2 - 8 °C
Specific end use(s)	Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters	Occupational Exposure Limit
Exposure controls	
Engineering measures	No data available
Individual protection measures, such as personal protective equipment (PPE)	
Respiratory protection	Not required; except in case of aerosol formation.
Eye/face protection	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses
Hygiene measures	Change contaminated clothing. Wash hands after working with substance.
Environmental exposure controls	No special precautionary measures necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	cloudy
Color	light yellow
Odor	No data available
Odor Threshold	No data available
pH	8.5 - 9.5 (20 °C)
Melting point	No data available
Boiling point/boiling range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Flammability (liquids)	No data available

Burning rate	No data available
Upper explosion limit / Upper flammability limit	No data available
Lower explosion limit / Lower flammability limit	No data available
Vapor pressure	No data available
Relative vapour density	No data available
Relative density	No data available
Density	1.130 g/cm ³
Solubility(ies)	
Water solubility	Fully miscible
Partition coefficient: n-octanol / water	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
Viscosity, dynamic	No data available
Viscosity, kinematic	No data available
Flow time	No data available
Explosive properties	Not classified as explosive.
Oxidizing properties	none
Particle characteristics	
Particle size	No data available

10. STABILITY AND REACTIVITY

Reactivity	No data available
Chemical stability	The product is chemically stable under standard ambient conditions (room temperature) .
Possibility of hazardous reactions	Violent reactions possible with: The generally known reaction partners of water.
Conditions to avoid	No information available
Incompatible materials	Strong oxidizing agents
Hazardous decomposition products	In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION

Acute toxicity	
Oral	No data available
Inhalation	No data available
Dermal	No data available
Skin corrosion / irritation	
Remarks	No data available
Serious eye damage/eye irritation	No data available
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	No data available

Specific target organ toxicity - single exposure	No data available
Specific target organ toxicity - repeated exposure	No data available
Aspiration hazard	No data available
Additional Information	
Endocrine disrupting properties Assessment	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.	

12. ECOLOGICAL INFORMATION

Toxicity	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Results of PBT and vPvB assessment	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
Endocrine disrupting properties assessment	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
Other adverse effects	No data available

13. DISPOSAL CONSIDERATIONS

Disposal methods	
Waste treatment methods	Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.

14. TRANSPORT INFORMATION

International Regulations	
UN/ID No.	
ADR	Not applicable
IMDG	Not applicable
IATA	Not applicable
UN Proper shipping name	
ADR	Not applicable
IMDG	Not applicable

IATA	Not applicable
Transport hazard class(es)	
ADR	Not applicable
IMDG	Not applicable
IATA	Not applicable
Packing group	
ADR	Not applicable
IMDG	Not applicable
IATA	Not applicable
Environmental hazards	Not applicable
Special precautions for user	
Remarks	Not classified as dangerous in the meaning of transport regulations.
Maritime transport in bulk according to	Not applicable for product as supplied.
IMO instruments	

15. REGULATORY INFORMATION

Downstream users need to comply with the conditions of safe use of the chemical, understand the environmental and health hazard and risk management measures identified on the SDS as well as the local/national regulations concerning the chemical.

Safety, health and environmental regulations/legislation specific for the substance or mixture	Not applicable
Catalogue of Hazardous Chemicals	This product is not listed in the catalogue of hazardous chemicals and it does not meet the definition of hazardous chemicals and its principles of determination.
Identification of Major Hazard Installations for Hazardous Chemicals (GB 18218)	Not listed
Hazardous Chemicals for Priority Management under SAWS	Not listed
Regulations on Labour Protection in Workplaces where Toxic Substances are Used	Not applicable
Catalogue of Highly Toxic Chemicals	Not listed
Regulation of Environmental Management on the First Import of Chemicals and the Import and Export of Toxic Chemicals	Not applicable
China Severely Restricted Toxic Chemicals for Import and Export	Not listed
Measures on the Environmental Administration of New Chemical Substances Registration	Not applicable
Registration/Notification number	Not applicable
Regulation on the Administration of	Not applicable

Precursor Chemicals

Catalogue and Classification of Precursor Chemicals	Not listed
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Chemicals

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)	Not applicable
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REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	Not applicable
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Regulation (EU) No 2024 / 590 on substances that deplete the ozone layer	
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Regulation (EU) 2019 / 1021 on persistent organic pollutants (recast)	Not applicable
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REACH - List of substances subject to authorisation (Annex XIV)	Not applicable
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Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.	Not applicable
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TSCA	This product is not listed on the TSCA inventory
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SARA 302 Components	Not applicable
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SARA 313 Components	Not applicable
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SARA 311 / 312 Hazards	Not applicable
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Chemical safety assessment	For this product a chemical safety assessment was not carried out
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16. OTHER INFORMATION

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