

Safety Data Sheet

Lyophilized Exosomes

January 31st, 2025



1. Product and Company Identification

Product name: Lyophilized Exosomes

Catalog Number: 700375 to 700378

Unit Size: 10µg and 50µg

Supplier:

Particle Metrix GmbH

Wildmoos 4

82266 Inning, Germany

Phone: +49 (0)8143-99172-0

E-Mail: info@particle-metrix.com

Web: <http://www.particle-metrix.com>

2. Hazards Identification

GHS Classification (EU & US): Not classified as hazardous under Regulation (EC) No 1272/2008 (CLP) or OSHA HazCom 2012 (29 CFR 1910.1200).

GHS Label Elements: None.

Signal Word: None.

Hazard Pictograms: None.

Hazard Statements: None.

Precautionary Statements: None.

Environmental Hazards:

H412: Harmful to aquatic life with long-lasting effects. (Clarified per CLP & GHS standards).

WHMIS Classification: None.

NFPA Rating: Health: 0 | Fire: 0 | Reactivity: 0

3. Composition / Information on Ingredients

This product does not contain any hazardous substances at concentrations classified as hazardous to health or the environment under EU, OSHA, or WHMIS regulations.

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4. First-Aid Measures

General Advice:	Consult a physician. Show this safety data sheet to the doctor in attendance.
If inhaled:	Move person into fresh air. Seek medical advice if symptoms occur.
In Case of Skin Contact:	Wash off with soap and plenty of water. Seek medical attention if irritation occurs.
In Case of Eye Contact:	Flush eyes with water as a precaution. If irritation persists, seek medical advice.
If swallowed:	Rinse mouth with water. Do not induce vomiting. Seek medical attention if necessary.

5. Firefighting Measures

Suitable Extinguishing Media:	Water, carbon dioxide, dry chemical, or foam extinguishers.
Protective Equipment for Firefighters:	Wear self-contained breathing apparatus if necessary.

6. Accidental Release Measures

Personal Precautions:	Avoid breathing vapors or mist. Ensure adequate ventilation.
Environmental Precautions:	Prevent further leakage or spillage. Do not allow to enter drains.
Cleanup Methods:	Absorb with inert material and dispose of properly.

7. Handling and Storage

Cleanup Methods:	Absorb with inert material and dispose of properly.
Handling:	Avoid inhalation and direct contact with skin or eyes. Use in well-ventilated areas.
Storage:	Keep container tightly closed in a cool, dry, and well-ventilated place. Store under conditions specified on the product label.

8. Exposure Controls / Personal Protection

Workplace Exposure Limits:	No OSHA PEL (Permissible Exposure Limits) or ACGIH TLVs (Threshold Limit Values) applicable.
Personal Protective Equipment (PPE):	
Hand Protection:	Wear gloves and dispose of them properly after use.
Eye Protection:	Use safety glasses with side shields (EN166 or ANSI Z87.1 compliant).
Respiratory Protection:	Not required under normal handling conditions.

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9. Physical and Chemical Properties

State:	Solid.
Color:	White.
Odor:	None detectable.
pH:	Non applicable.
Boiling Point:	Not applicable.
Melting Point:	Not applicable.
Flash Point:	Not applicable.

10. Stability and Reactivity

Stability:	Stable under recommended storage conditions.
Hazardous Decomposition Products:	Carbon oxides may form under fire conditions.

11. Toxicological Information

Acute Toxicity:	No data available.
Carcinogenicity:	Not listed by IARC, ACGIH, NTP, or OSHA.

Potential Health Effects

Inhalation:	May cause irritation.
Skin Contact:	May cause irritation.
Eye Contact:	May cause irritation.
Ingestion:	May be harmful if swallowed.

12. Ecological Information

Toxicity:	Harmful to aquatic life with long-lasting effects (H412 classification added).
Persistence & Degradability:	No data available.
Bioaccumulative Potential:	No data available.
Environmental Precautions:	Do not allow the product to reach soil, waterways, or drains.

13. Disposal Considerations

Do not dispose of the product directly into sewage or the environment.

For US Compliance:	Follow EPA RCRA hazardous waste disposal guidelines.
For EU Compliance:	Dispose of in compliance with EU Waste Framework Directive 2008/98/EC.

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14. Transport Information

IATA, IMDG, DOT (US), TDG:	Not classified as a dangerous good.
UN Number:	None.
Transport Hazard Class:	None.
Packing Group:	None.
Environmental Hazards:	None.
Special Precautions:	None.

15. Regulation Information

US Federal Regulations

OSHA Hazard Communication

Standard (HCS) 2012:	Not hazardous.
TSCA (Toxic Substances Control Act):	Not listed.
SARA 302, 313, 311/312:	No reportable chemicals.

EU Regulations

Classification under Regulation (EC) No. 1272/2008 (CLP):	Not hazardous.
Environmental Hazard:	H412 added for aquatic toxicity concerns.
WHMIS Classification (Canada):	None.

16. Other Information

Compliance Statement:	This SDS complies with the requirements of OSHA HazCom 2012 (29 CFR 1910.1200) and Regulation (EC) No 1272/2008 (CLP) .
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Disclaimer:	The information provided in this Safety Data Sheet is believed to be accurate. However, it is given without any warranty, express or implied. Users must ensure compliance with applicable local laws and regulations.
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Prepared by:	Product Management Particle Metrix GmbH
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