

Safety Data Sheet

eNOS Antibody

Cat#: orb1732573

Effective Date: 2023-1-1

1. Product and Manufacturer Identification

Product name	eNOS Antibody
Catalog No.	orb1732573

2. Hazards Identification

CHS Class	Hazard	Not classified as dangerous substance or mixture according to GHS (Globally Harmonized System of Classification and Labelling of Chemicals) (Ninth revised edition).
Pictogram and Signal word		None.
Hazard statement(s)		None.
Precautionary statement(s)		None.
Explosion hazards		Not considered to be an explosion hazard.

Classification according to GHS (Globally Harmonized System of Classification and Labelling of Chemicals) (Ninth revised edition).

3. Composition/Information on Ingredients

Component	Range % by Wt.	CAS No.
Phosphate buffer saline (Aqueous solution containing KH ₂ PO ₄ , Na ₂ HPO ₄ , NaCl and KCl)	99	7732-18-5; 7778-77-0; 7558-79-4; 7647-14-5; 7447-40-7
Immune globulin	1	No data available.

4. First Aid Measures

Skin contact	Rinse with plenty water. If experiencing skin symptoms, consult a physician.
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If experiencing eye symptoms, consult a physician.
Inhalation	Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms, consult a physician.
Ingestion	Induce vomiting. Rinse mouth and give large quantities of water to drink. If feel unwell, consult a physician.

5. Fire Fighting Measures

Types of hazards	Not considered to be an explosion hazard.
Hazardous combustion products	No data available.
Fire-fighting measures	Use any means suitable for extinguishing surrounding fire. Suitable extinguishing media: Water spray, dry powder, sand, water-resistant foam, carbon dioxide, etc.
Special Information	Use self-contained breathing apparatus and wear protective clothing. Avoid contact with eyes and skin.

6. Accidental Release Measures

Soak up the leakage with inert absorbent material and recover into the suitable, closed containers for disposal. Flush the contaminated area with plenty water. Avoid release to the environment.

7. Handling and Storage Measures

Handling	Keep container tightly closed.
Storage	Stored in a cool, dry, ventilated area.

8. Exposure Controls / Personal Protection

Occupational exposure limits	Not established.
Engineering controls	In general, dilution ventilation is a satisfactory health hazard control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered. Maintain eye wash fountain and quick-drench facilities in work area.
Inhalation protection	Wear masks. In case of fire, use self-contained breathing apparatus.
Eye protection	Use safety goggles or face protections to protect against possible splashing.
Skin protection	Wear protective gloves and clean body-covering clothing.
Other protection	No information.

9. Chemical and Physical Properties

Appearance and odor	Colorless liquid, odorless.
pH	≈ 8
Solubility	Miscible with water.
Flash point	Not applicable.
Flammability	Not classified as flammable liquid.

Explosive properties	Not classified as explosive substance.
Oxidizing properties	Not classified as oxidizing substance.
Main purpose	For research only.
Other properties	No data available.

10. Stability and Reactivity

Stability	Stable under ordinary conditions of use and storage.
Incompatibilities	Acid anhydrides, alkali metals.
Conditions to avoid	No data available.
Hazardous polymerization	No data available.
Hazardous decomposition	No data available.

11. Toxicological Information

Acute toxicity	Potassium dihydrogenorthophosphate (CAS No.7778-77-0): LD50 - Oral - Rat - > 2000 mg/kg Disodium hydrogenorthophosphate(CAS No.7558-79-4): LD50 - Oral - Rat - > 2000 mg/kg Sodium chloride (CAS No. 7647-14-5): LD50 - Oral - Rat - > 2000 mg/kg Potassium chloride (CAS No. 7447-40-7): LD50 - Oral - Rat - > 2000 mg/kg
Skin irritation/corrosion	Potassium dihydrogenorthophosphate (CAS No.7778-77-0): Not irritating. Disodium hydrogenorthophosphate (CAS No.7558-79-4): Mild skin irritation.
Eye damage/irritation	Potassium dihydrogenorthophosphate (CAS No.7778-77-0): Not irritating. Disodium hydrogenorthophosphate (CAS No.7558-79-4): Mild skin irritation.
Respiratory or skin sensitization	No data available.
Germ cell mutagenicity	No data available.
Carcinogenicity	This product is not listed in IARC (International Agency for Research on Cancer) Category.
Reproductive toxicity	No data available.
STOT-single exposure	No data available.
STOT-repeated exposure	No data available.
Aspiration hazard	No data available.
Health hazards	Inhalation: May cause irritation to the respiratory tract. Ingestion: May be harmful if ingested in excessive quantities. Skin Contact: No serious adverse health effects expected. Eye Contact: May cause eye mild irritation.

Other toxicity	No data available.
-----------------------	--------------------

12. Ecological Information

Ecological toxicity	<p>Sodium chloride (CAS No. 7647-14-5):</p> <p>Toxicity to fishes LC50 - Lepomis macrochirus - 5840 mg/I - 96 h</p> <p>Toxicity to daphnia and NOEC - Daphnia magna - 1500 mg/I - 7 d</p> <p>other aquatic invertebrates LC50 - Daphnia magna - 1661 mg/I - 48 h</p> <p>Potassium chloride (CAS No. 7447-40-7):</p> <p>Toxicity to fishes LC50 - Pimephales promelas - 880 mg/I - 96 h</p> <p>Toxicity to daphnia and EC50 - Daphnia magna - > 440 mg/I - 48 h</p> <p>other aquatic invertebrates</p>
Persistence and degradability	No data available.
Bioaccumulation	No data available.
Mobility in soil	No data available.
Others	No data available.

13. Disposal Information

Disposal measures	Offer surplus and non-recyclable contents/containers to a licensed disposal company.
Notes	Local disposal regulations may differ from Chinese regulations. Dispose in accordance with local country or state.

14. Transportation Information

Regulations	IATA DGR (64th Edition)	IMDG Code (2020 Edition)
UN No.	Not regulated.	Not regulated.
Proper Shipping Name	Not regulated.	Not regulated.
Hazard Class/Division	Not regulated.	Not regulated.
Packing Group	Not regulated.	Not regulated.
Packing Method	Not regulated.	Not regulated.
Environmental hazards	Not regulated as environmentally hazardous substance/marine pollutants.	
Notes	No information.	

15. Regulatory Information

Domestic authority regulations:

Regulations on the Safety Administration of Dangerous Chemicals (2011).

This product is not listed in General rule for classification and hazard communication of chemicals (GB 13690-2009).

International Regulations:

Commission Regulation (EC) No. 1907/2006 (REACH) and its amendments. Commission Regulation (EC) No. 1272/2008 (CLP) and its amendments.

Waste Framework Directive 2008/98/EC and its amendments. Toxic Substance Control Act (TSCA).