

Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

Product Name: SpecIPure Antibody

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: For Research Use Only, Not For Human or Veterinary Use.

1.3 Details of the supplier of the safety data sheet

Company PURDUE BIOSCIENCE INC.
Address 750 50th St, Brooklyn, NY 11220, USA
Website www.purduebio.com

1.4 Emergency telephone number

Emergency phone number +1 877-618-7311

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

This substance/mixture is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

2.2 GHS Label elements, including precautionary statements

Not a hazardous substance or mixture.

2.3 Other hazards

None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable.

3.2 Mixture

Chemical Name: Glycerol; CAS No: 56-81-5; Weight: 30-60%

4. FIRST AID MEASURES

4.1 Description of first aid measures

In case of Inhalation: Immediately relocate self or casualty to fresh air. If breathing is difficult, give cardiopulmonary resuscitation (CPR). Avoid mouth-to-mouth resuscitation.

In case of Skin contact: Rinse skin thoroughly with large amounts of water. Remove contaminated clothing and shoes and call a physician.

In case of Eye contact: Remove any contact lenses, locate eye-wash station, and flush eyes immediately with large amounts of water. Separate eyelids with fingers to ensure adequate flushing. Promptly call a physician.

In case of Ingestion: Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by medical personnel.

4.2 Most important symptoms and effects, both acute and delayed

No data available

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE FIGHTING MEASURES

5.1 Suitable extinguishing media

Use water spray, dry chemical, foam, and carbon dioxide fire extinguisher.

5.2 Special hazards arising from the substance or mixture

During combustion, may emit irritant fumes.

5.3 Advice for firefighters

As in any fire, wear self-contained breathing apparatus and protective clothing.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use full personal protective equipment. Avoid breathing vapors, mist, dust or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

Refer to protective measures listed in sections 8.

6.2 Environmental precautions

Try to prevent further leakage or spillage. Keep the product away from drains or water courses.

6.3 Methods and materials for containment and cleaning up

Absorb solutions with finely-powdered liquid-binding material (diatomite, universal binders);

Decontaminate surfaces and equipment by scrubbing with alcohol; Dispose of contaminated material according to Section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid inhalation, contact with eyes and skin. Avoid dust and aerosol formation. Use only in areas with appropriate exhaust ventilation.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly sealed in cool, well-ventilated area. Keep away from direct sunlight and sources of ignition.

Recommended storage temperature: Store at -20°C.

7.3 Specific end use(s)

No data available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Chemical name	ACGIH TLV	OSHA PEL	NIOSH REL

Glycerol (glycerin, glycerine) 56-81-5	-	TWA: 15 mg/m ³ mist, total particulate TWA: 5 mg/m ³ mist, respirable fraction (vacated) TWA: 10 mg/m ³ mist, total particulate (vacated) TWA: 5 mg/m ³ mist, respirable fraction	-
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8.2 Exposure controls

Engineering controls

Ensure adequate ventilation. Provide accessible safety shower and eye wash station.

Personal protective equipment

Eye protection: Safety goggles with side-shields.

Hand protection: Protective gloves.

Skin and body protection: Impervious clothing.

Respiratory protection: Suitable respirator.

Environmental exposure controls: Keep the product away from drains, water courses or the soil. Clean spillages in a safe way as soon as possible.

9. PHTSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical states:	Liquid
Color:	Colorless
Odor:	No data available
Odor threshold:	No data available
pH:	No data available
Melting/freezing point:	No data available
Boiling point/range:	No data available
Flash point:	No data available
Evaporation rate:	No data available
Flammability (solid, gas):	No data available
Upper/lower flammability or explosive limits:	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Relative density:	No data available
Water solubility:	Refer to protective measures listed in sections 3.1.
Partition coefficient:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	No data available
Explosive properties:	No data available
Oxidizing properties:	No data available

9.2 Other safety information

No data available.

10. STABILITY AND REACTIVITY

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No data available.

10.4 Conditions to avoid

No data available.

10.5 Incompatible materials

None known based on information supplied.

10.6 Hazardous decomposition products

Under fire conditions, may decompose and emit toxic fumes.

Other decomposition products - No Data Available.

11. TOXICOLOGICAL INFORMATION

11.1 Information on likely routes of exposure

Inhalation: Specific test data for the substance or mixture is not available.

Eye contact: Specific test data for the substance or mixture is not available.

Skin contact: Specific test data for the substance or mixture is not available.

Ingestion: Specific test data for the substance or mixture is not available.

11.2 Information on toxicological effects

This product is for research uses only. The product has not been completely analyzed and all of the hazards may not be known. Please use caution while handling this product.

Chemical name	LD50 oral	LD50 Dermal	LC50 Inhalation
Glycerol	= 12600 mg/kg (Rat)	> 10 g/kg (Rabbit)	> 570 mg/m ³ (Rat) 1 h

ATEmix (oral): >5000 mg/kg (ATE)

ATEmix (dermal): >5000 mg/kg (ATE)

ATEmix (inhalation-dust/mist): >5 mg/l (ATE)

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Symptoms: No Data Available.

Sensitization: No Data Available.

Mutagenic effects: No Data Available.

Carcinogenicity: No component of this product present at levels greater than or equal to 0.1% is identifiable as probable, possible or confirmed carcinogen by IARC, ACGIH, NTP, or OSHA.

Reproductive toxicity: No Data Available.

STOT - single exposure: No Data Available

STOT - repeated exposure: No Data Available.

Neurological effects: No Data Available.

Aspiration Hazard: No Data Available.

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity

Chemical name	Toxicity to algae	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates
Glycerol	-	LC50 51 - 57 mL/L (Oncorhynchus mykiss) 96 h	EC50 500 mg/L (Daphnia magna) 24 h

Persistence and degradability: No Data Available.

Bioaccumulation: No Data Available.

Mobility: No Data Available.

Chemical name	Octanol-Water Partition Coefficient
Glycerol	-1.76

12.2 Other adverse effects

No Data Available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste disposal methods

Dispose substance in accordance with prevailing country, federal, state and local regulations.

13.2 Contaminated packaging

Conduct recycling or disposal in accordance with prevailing country, federal, state and local regulations.

14. TRANSPORT INFORMATION

DOT (US)

This substance is considered to be non-hazardous for transport.

IMDG

This substance is considered to be non-hazardous for transport.

IATA

This substance is considered to be non-hazardous for transport.

15. REGULATORY INFORMATION

Chemical name	TSCA 8(b)	TSCA 12(b)	DSL	NDSL
Glycerol	Listed	Not Listed	Listed	Not Listed

SARA 302 components:

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 components:

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 hazards:

No SARA Hazards.

Massachusetts Right to Know components:

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right to Know components:

No components are subject to the Pennsylvania Right to Know Act.

New Jersey Right to Know components:

No components are subject to the New Jersey Right to Know Act.

California Prop. 65 components:

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. OTHER INFORMATION

Copyright 2023 Purdue Bioscience. The above information is believed to be correct based on our present knowledge but does not purport to be complete. The product is for research use only and for trained researchers. The burden of safe use of this material rests entirely with the user. Purdue Bioscience disclaims all liability for any damage resulting from use of this material.

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