

Safety Data Sheet

Nivolumab (PDCD1/PD1/CD279) Antibody, Monoclonal

Cat#: orb1237498

Revision Date: 11/7/2024
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Section 1 – Product and Company Identification

Product Name: Nivolumab (PDCD1/PD1/CD279) Antibody, Monoclonal

Product Number: orb1237498

Recommended Use: For research use only

Section 2 – Hazards Identification

Sodium azide may react with lead and copper plumbing to form highly explosive metal azides.

HMIS RATING

Health: 0

Flammability: 0

Reactivity: 0

NFPA RATING

Health: 0

Flammability: 0

Reactivity: 0

For additional information on toxicity, please refer to Section 7. Observe normal laboratory precautions.

Section 3 – Composition/Information on Ingredients

Ingredient Name	CAS Number
Human immunoglobulin G1	None
Phosphate Buffered Saline (PBS) Solution, pH7.5	None

Section 4 – First Aid Measures

Ingestion:	Wash mouth out with water if the person is conscious. Call a physician immediately. Never give anything by mouth to an unconscious person.
Inhalation:	If inhaled, remove to fresh air. Call a physician if breathing becomes difficult.
Skin contact:	Flush with copious amounts of water for a minimum of 15 minutes. Remove contaminated clothing and shoes. Call a physician if a rash develops.
Eye contact:	If eye contact occurs, flush with copious amounts of water for at least 15 minutes.

Separate eyelids with fingers to ensure adequate flushing. Call a physician

Section 5 – Fire-fighting Measures

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific hazards arising from the substance or mixture: No information available

Special protective equipment and precautions for firefighters: Wear self-contained breathing apparatus for firefighting.

Section 6 – Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures: Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. For personal protection refer to section 8.

Environmental Precautions: Try to prevent the material from entering drains.

Methods for Containment and Cleaning Up: Prevent further leakage or spillage if safe to do so. Pick up and transfer to properly labeled containers. Keep in suitable, closed containers for disposal.

Section 7 – Handling and Storage

Precautions for Safe Handling: Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

Conditions for Safe Storage, including any Incompatibilities: Keep container tightly closed. Store at +4°C for up to a month; store at -20°C for up to a year.

Section 8 – Exposure Controls / Personal Protection

Control Parameters: Does not contain substances with occupational exposure limit values. Appropriate Engineering Controls: General hygienic and precautionary measures for handling laboratory reagents should be followed.

Personal Protective Equipment: Wear chemical safety goggles, chemical-resistant gloves, and impervious clothing. Avoid inhalation and contact with the eyes, skin, or clothing.

Section 9 – Physical and Chemical Properties

Appearance: Transparent liquid

Flammability: No information available

Odor: No information available

Flammability Limits: No information available

Odor Threshold: No information available

Vapor Pressure: No information available

pH: 7.2

Vapor Density: No information available

Melting Point/Range: No information available

Decomposition Temp.: No information available

Freezing Point: No information available

Relative Density: No information available

Boiling Point/Range: No information available

Auto-ignition Temp.: No information available

Flash Point: No information available

Solubility: No information available

Evaporation Rate: No information available

Partition Coefficient: No information available

Section 10 – Stability and Reactivity

Stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: No information available.

Conditions to Avoid: Direct sunlight and extremes of temperature.

Incompatible Materials: Avoid contact with metals. Avoid contact with acid and strong oxidizing agents. Sodium azide may react with lead and copper plumbing to form highly explosive metal azides. Dimethyl sulfate is incompatible with sodium azide, acid chlorides, halogenated solvents.

Hazardous Decomposition Products: No information available.

Section 11 – Toxicological Properties

May be harmful if inhaled, ingested, or absorbed into the skin. The toxicological properties of this product have not been investigated thoroughly.

Ingestion: May be harmful if swallowed.

Inhalation: May be harmful if inhaled. May be irritating to mucous membranes and upper respiratory tract.

Skin contact: May cause skin irritation. May be harmful if absorbed through the skin.

Eye contact: May cause eye irritation.

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Laboratory experiments in animals have shown sodium azide to produce a profound hypotensive effect, demyelination of myelinated nerve fibers in the central nervous system, testicular damage, blindness, attacks of rigidity, and hepatic and cerebral effects. Many azides cause a fall in blood pressure and some inhibit enzyme action.

Section 12 – Ecological Information

Ecotoxicity: No information available.

Persistence and degradability: No information available.

Bioaccumulative potential: No information available.

Mobility in soil: No information available.

Other Adverse Effects: No information available.

Section 13 – Disposal Considerations

Waste Disposal Methods: Dispose of in accordance with all applicable national environmental laws and regulations. This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste. If chemical additions are made to this material, or if the material is processed or otherwise altered, consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging: Dispose of as unused product.

US EPA Waste Number: P105

Section 14 – Transport Information

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

Section 15 – Regulatory Information

SARA 313: This material does not contain any chemical components with known CAS numbers that are subject to the reporting requirements established by SARA Title III, Section 313.

SARA 311/312: No SARA hazards.

Right to Know Components:

Massachusetts: Sodium Azide (26628-22-8)

Pennsylvania: Water (7732-18-5), Sodium Chloride (7647-14-5), Sodium Azide (26628-22-8)

New Jersey: Water (7732-18-5), Sodium Chloride (7647-14-5)

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.

Section 16 – Other Information

This product is for research use only. This product is not intended for household, drug, therapeutic or other uses.

Please note the above information is to be used only as a guide. The information relates only to the specific product designated and may not be valid for such product used in combination with any other materials or in any process. Biorbyt Incorporated shall not be held liable for any damage resulting from handling or from contact with the above product.