

Material Safety Data Sheet (MSDS)

1. Identification of the Substance and of the Company/Undertaking

Product Name: Monoclonal Antibody

Manufacturer Information:



Artron BioResearch Inc.
3938 North Fraser Way
Burnaby, B.C. V5J 5H6
Canada

Tel: +1 604 415 9757
Fax: +1 604 415 9795
www.artronbio.com

Emergency Contact: 911 (Within Canada and U.S.A.)

2. Hazards Identification

Emergency Overview: Avoid contact and inhalation. Sodium azide is not present in an amount that qualifies as hazardous according to Directive 67/548/EC.

Route(s) of Entry: Inhalation, skin, eyes, ingestion, injection.

Potential Health Effect(s): May be harmful by inhalation, ingestion or skin absorption. May cause eye, skin or respiratory system irritation.

3. Composition/Information on Ingredients

Components	Concentration	CAS #	EC #	Risk Phrases	RTECS #
Sodium azide	0.2%	26628-22-8	247-852-1	R28-32-50/53	VY8050000

4. First Aid Measures

If inhaled: Remove to fresh air. If not breathing, apply mechanical ventilation or give oxygen by trained personnel. Arrange medical attention.

If swallowed: Wash 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. Arrange medical attention.

Contact with eyes: Hold eyelids open and flush eyes with plenty of water for at least 20 minutes. Arrange medical attention.

Skin contact: Wash skin with soap and water for at least 20 minutes. Remove contaminated clothing and wash clothing before reuse. If necessary, arrange medical attention.

5. Fire Fighting Measures

Explosive Limits: LEL: No data. UEL: No data.

Fire Fighting Instructions: As with any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.

Flammable Properties and Hazards: Negligible fire hazard.

Hazardous Combustion Products: No data.

Suitable Extinguishing Media: Use alcohol-resistant foam, carbon dioxide, water or dry chemical spray. Use water spray to cool fire-exposed containers.

6. Accidental Release Measures

Occupational Spill/Release: Avoid release into environment.
Avoid breathing vapours and provide adequate ventilation.
As conditions warrant, wear a NIOSH approved self-contained breathing apparatus (or respirator) and appropriate personal protection (rubber boots, safety goggles, heavy rubber gloves).
Absorb spill with inert material (e.g. dry sand or earth), then place in proper chemical waste container.

7. Handling and Storage

Hazard Label Information: Avoid contact with skin and eyes. Do not reuse this container.
Use with adequate ventilation. Wash thoroughly after handling.

Precautions to be Taken in Handling: Avoid breathing (dust, vapour, mist, gas).
Avoid prolonged or repeated exposure.

Precautions to be Taken in Storing: Keep tightly closed. Store at correct temperature.

8. Exposure Controls/Personal Protection

Exposure Limits: Provide adequate ventilation. Ensure compliance with applicable exposure limits.

Personal Protective Equipment:

Respiratory Equipment: NIOSH approved respirator, as conditions warrant.

Eye Protection: Safety glasses.

Protective Gloves: Compatible chemical-resistant gloves.

Other Protective Clothing: Lab coat.

Work/Hygiene Practices: Handle in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties

Physical State:	Liquid	Vapour Pressure:	No data.
Melting Point:	No data.	Vapour Density (air = 1):	No data.
Boiling Point:	No data.	Evaporation Rate:	No data.
Autoignition:	No data.	Water Solubility:	No data.
Flash Point:	No data.	Percent Volatile:	No data.
Specific Gravity (water = 1):	No data.	Appearance and Odour:	No data.

10. Stability and Reactivity

Stability: Unstable [] Stable [X]

Conditions to Avoid: No data.

Materials to Avoid: No data.

Decomposition Products: Miscellaneous decomposition products.
Possibility of Hazardous Reactions: Will occur [] Will not occur []

11. Toxicological Information

Acute and Chronic Toxicity: No data.
Carcinogenicity/Other information: No data.

12. Ecological Information

Ecotoxicity effects: No data.
Mobility: No data.
Persistence and Degradation: No data.
Bioaccumulative Potential: No data.

13. Disposal Considerations

Waste Disposal Method: Dispose in accordance with local and all applicable regulations.

14. Transport Information

U.S. DOT: Not classified as dangerous goods in transportation regulations.
European ADR/RID: Not classified as dangerous goods in transportation regulations.
ICAO/IATA: Not classified as dangerous goods in transportation regulations.

15. Regulatory Information

U.S. Federal Regulations: Not regulated under SARA Sections 302/304/313, CERCLA, TSCA, or require an OSHA process safety plan.
Canada WHMIS Classification: Non-controlled product.
European Regulations: Classified for the E.U. according to Annex VI Directives 67/548/EEC and 99/45/EC.

16. Other Information

For research and development use only. Not intended for food, drug or household use.

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