

SAFETY DATA SHEET

VERSION 5.0 | REVISED: 2026-09-22

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING

- 1.1 Product Name:** Purified Monoclonal and Polyclonal Antibodies
1.2 Catalog Numbers Covered: CA, RA, Custom Antibody Series
1.3 Recommended Use: For Laboratory Research Use Only. Not for human or animal therapeutic or clinical diagnostic use.
1.4 Company Identification: Biomatik Corporation, 4 Third Ave, Kitchener, Ontario, N2C 1N6, Canada
1.5 Contact Telephone / Email: 1-519-489-7195 | Email: info@biomatik.com
1.6 Emergency Telephone Number: 1-519-590-7717

2. HAZARDS IDENTIFICATION

Classification according to Regulation (EC) No 1272/2008 [CLP/EU-GHS] and 29 CFR 1910.1200 [OSHA HazCom]:

- 2.1 Classification of the mixture:** The product is not considered hazardous under GHS or CLP criteria.
2.2 Label Elements: No signal word, hazard pictograms, or hazard statements required.
2.3 Potential Health Effects: May cause skin sensitization in certain individuals upon prolonged contact.
2.4 Other Hazards: None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

The product is supplied in lyophilized powder form or as an aqueous buffered solution containing purified antibodies and a non-hazardous mixture:

Component / Ingredient	CAS No.	EC / EINECS No.	% Weight / Concentration
Purified Antibodies (Monoclonal / Polyclonal)	—	—	Variable (< 1.0%)
ProClin 300	55965-84-9 / 96118-96-6	613-167-00-5	0.03% - 0.05%
Glycerol	56-81-5	200-289-5	50.0%
Sodium Chloride	7647-14-5	231-598-3	0.79% - 0.90%
Sodium Phosphate Dibasic	7558-79-4	231-791-2	0.18%
Dihydrogen Potassium Phosphate	7778-77-0	231-913-4	0.02% - 0.024%
Potassium Chloride	7447-40-7	231-211-8	0.02%
Sodium Azide (optional formulation variant)	26628-22-8	247-852-1	< 0.02%

4. FIRST AID MEASURES

First aid personnel should ensure self-protection.

Ingestion: If swallowed, wash mouth out with water, provided the person is conscious. Get medical attention.

Skin Contact: If product contacts skin, immediately wash with plenty of soap and water while removing contaminated clothing. Wash clothing before reuse. Consult a physician if irritation occurs.

Inhalation: If inhaled, remove to fresh air. If not breathing, perform CPR and get immediate medical attention.

Eye Contact: If product contacts eyes, flush cautiously with water for at least 15 minutes, separating eyelids with fingers. Consult a physician.

Most Important Symptoms: May cause skin sensitization in certain individuals upon prolonged contact.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

5.2 Hazardous Combustion Products: Thermal decomposition may release toxic fumes, including carbon oxides, nitrogen oxides (NOx), sulfur oxides, and hydrogen chloride gas.

5.3 Firefighter Precautions: Wear self-contained breathing apparatus (SCBA) and full protective gear appropriate for site conditions.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions: Use appropriate personal protective equipment to prevent contamination of skin, eyes, and clothing.

6.2 Environmental Precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains or watercourses.

6.3 Clean-Up Methods: Soak up with inert absorbent material and dispose of as waste in suitable, closed containers.

7. HANDLING AND STORAGE

7.1 Safe Handling Precautions: Avoid contact with skin, eyes, and clothing. Avoid inhalation of vapor or mist. Wear PPE and wash hands thoroughly after handling.

7.2 Storage Conditions: Keep container tightly closed in a dry, cool, and well-ventilated place. Store at -20°C upon receipt (or in a cool place as indicated on the product insert/label). Reconstituted antibody solutions may be stored at 2°C to 8°C for short-term use (2-3 weeks) or aliquoted and stored at -20°C or below for up to 12 months. Keep upright to prevent leakage.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Exposure Limits: Contains no substances with workplace occupational exposure limit values.

8.2 Engineering Controls: Ensure adequate ventilation, safety showers, and eyewash stations.

- **Eye / Face Protection:** Wear approved safety glasses (e.g., EN166).
- **Skin & Body Protection:** Wear disposable chemical-resistant nitrile gloves (EN 374) and long-sleeved laboratory coat.
- **Respiratory Protection:** Use a suitable respirator in case of inadequate ventilation.
- **Hygiene Measures:** Wash hands thoroughly after handling. Do not eat, drink, or smoke at the work site.

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Value	Property	Value
Appearance / Form	Liquid or lyophilized powder	Vapor Pressure	No information available
Odor	Odorless	Vapor Density	No information available
Odor Threshold	Not applicable	Relative Density	No information available
pH	No data available	Water Solubility	Miscible in water
Melting / Freezing Point	No information available	Partition Coefficient	No information available
Boiling Point / Range	No information available	Auto-ignition Temperature	No information available
Flash Point	Not applicable	Decomposition Temperature	No information available
Evaporation Point	Not applicable	Viscosity	No information available
Flammability (solid, gas)	Not applicable	Explosive Properties	Not applicable
Explosive Limits	Not applicable	Oxidizing Properties	Not applicable

10. STABILITY AND REACTIVITY

10.1 Chemical Stability: The product is stable under recommended storage conditions.

10.2 Incompatible Materials: Strong acids, strong alkalis, strong oxidizing agents, strong reducing agents.

10.3 Conditions to Avoid: Heat, moisture.

10.4 Hazardous Decomposition Products: Hazardous reactions will not occur under normal transport or storage conditions. Carbon/nitrogen/sulfur oxides on thermal decomposition.

11. TOXICOLOGICAL INFORMATION

11.1 Toxicological Summary: Acute toxicity: No data available. Irritation/Corrosivity: No data available. Sensitization: May cause skin sensitization in certain individuals. Carcinogenicity: No component present at $\geq 0.1\%$ is identified as a probable, possible, or confirmed human carcinogen by IARC, ACGIH, NTP, or OSHA. Mutagenicity / Reproductive toxicity: No data available.

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity Safeguard: Do not allow product to reach groundwater, watercourse, or sewage system. Persistence, bioaccumulation, and soil mobility data not available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste Disposal Methods: Dispose of product and contaminated packaging in accordance with local, state, or national environmental regulations.

14. TRANSPORT INFORMATION

14.1 DOT (US): Not regulated as dangerous goods for transport.

14.2 ADR / RID (Overland): Not dangerous goods.

14.3 IMDG / IMO (Sea): Not dangerous goods.

14.4 ICAO / IATA (Air): Not regulated / Non-hazardous for air transport.

14.5 TDG (Canada): Not regulated.

15. REGULATORY INFORMATION

Classified according to UN Model Regulations, Regulation (EC) No 1272/2008 [EU-GHS/CLP], and 29 CFR 1910.1200 [OSHA].

15.1 US Federal and State Regulations:

- **US Regulations:** TSCA, SARA 313, SARA 311/312 Hazards, CERCLA RQ, California Proposition 65: Not applicable.

16. OTHER INFORMATION

16.1 Intended Use Notice: This material is sold for lab research purposes only. It is not for any human or animal therapeutic or clinical diagnostic use.

16.2 Disclaimer: The information provided in this SDS is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet