



Safety Data Sheet

PNGaseF PRIME™

Revised: September 2, 2021

Section 1: Identification:

Product Name: PNGase F PRIME-LY™ (lyophilized recombinant produced in E. coli)

Use Restrictions: For *in vitro* use only. Not for diagnostic or therapeutic use. This is not a medical device.

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Composition: After reconstitution with Activation Solution: Solution is 1X PBS (Phosphate Buffered Saline; 137mM NaCl, 10mM Phosphate, 2.7 mM KCl, pH 7.4)

Storage Instructions: PNGaseF PRIME™ is supplied lyophilized, shipped at room temperature, and may be stored at room temperature upon arrival with desiccant. After reconstitution the enzyme should be stored at temperatures ranging from +4°C to -20°C under sterile conditions. Avoid multiple freeze-thaw cycles.

Precautions: Do not ingest. This product is for instrument and protocol optimization only, not for diagnostic or therapeutic use. This product is not a medical device

Usage: Enzyme is ready for use after reconstitution with PNGaseF Activation Solution



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Section 2: Hazard(s) Identification:

GHS Symbol: None.

GHS Signal Word: None.

GHS Hazard Phrases: Not a hazardous substance.

GHS Precaution Phrases: None.

GHS Response Phrases: None.

Adverse Human Health Effects and Symptoms: Possibility of allergic response arising from prolonged and/or repeated exposure in sensitive individuals.

Section 3: Composition/Information on Ingredients:

CAS# / RTECS#	Chemical Name	Concentration (% w/w)	EC No. / EC Index No.
n.a.	PNGaseF PRIME™	100%	n.a.

n.a. means not applicable or proprietary information.



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Section 4: First Aid Measures:

First Aid Measures:

Inhalation: Remove person to fresh air. If inflammation occurs seek medical attention.

Skin Contact: Basic hygiene should prevent any problems. If contact with this product leads to reddening, inflammation, or irritation, flush exposed area with running water and get medical attention

Eye Contact: If this product enters the eyes, flush the eyes with gently running water for at least 15 minutes. If inflammation occurs, seek medical attention.

Ingestion: Wash out mouth with water. Do not induce vomiting unless directed by medical personnel. No special precautions are taken to remove or detect the presence of endotoxin or pyrogens. If fever or adverse effects are experienced, seek medical attention.

Section 5: Fire Fighting Measures:

Fire-Fighting Measures:

Suitable extinguishing Media: Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing Media: None are known.

Condition of Flammability: Not flammable or combustible

Specific Hazards in Case of Fire: None are known



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Section 6: Accidental Release Measures:

Personal Precautions	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment. For emergency responders, wear respirator protection.
Environmental Precautions:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
Methods and Materials for Containment and Cleaning Up:	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up. Alternatively, absorb with an inert dry material and place in an appropriate disposal container. Dispose of via a licensed waste disposal contractor.

Section 7: Handling and Storage:

Handling Precautions:	Do not eat, drink or smoke when using this product. Avoid contact with skin and eyes. Wash hands thoroughly after handling.
Storage Precautions:	Store at room temperature until reconstitution. Store at 4°C to -20°C under sterile conditions once reconstituted with PNGaseF Activation Solution. Store in original container away from incompatible materials and food and drink. Do not store in an unlabeled container.

Section 8: Exposure Controls/Personal Protection:

Control Parameters:	This product or any of its ingredients have no listed OSHA PEL, NIOSH REL, or ACGIH Threshold Limit Values (TLV).
Appropriate Engineering Controls:	No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants.



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Section 8: Exposure Controls/Personal Protection (continued):

Personal Protective Equipment:	<p>Eye Protection: Safety glasses</p> <p>Protective Gloves: Compatible chemical-resistant gloves</p> <p>Other Protective Clothing: Lab Coat</p> <p>Respiratory Equipment: NIOSH approved respirator if a risk assessment indicates it is necessary</p>
Work/ Hygienic/ Maintenance Practices:	Do not take internally. Facilities storing or utilizing this material should be equipped with an eyewash and a safety shower. Wash thoroughly after handling.

Section 9: Physical and Chemical Properties:

Appearance: Dry white solid

Odor and Odor Threshold: Odorless, as water. No odor threshold available.

pH: 7.6 when reconstituted with PNGaseF Activation Solution

Melting Point/ Freezing Point: No data.

Initial Boiling Point and Boiling Range: No data.

Flash Point: No data.

Evaporation Rate: No data.

Flammability: No data.

Vapor Pressure: No data.

Solubility: Soluble in warm and cold water.



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Section 9: Physical and Chemical Properties (Continued):

Vapor Density: No data.

Relative Density: No data.

Partition Coefficient: n-Octanol/water No data.

Auto-ignition Temperature: No data.

Decomposition Temperature: No data.

Viscosity: No data.

Section 10: Stability and Reactivity:

Reactivity: Not combustible.

Chemical Stability: This product is chemically stable.

Possibility of Hazardous Reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to Avoid: No specific data.

Incompatible Materials: No specific data.

Hazardous Decomposition or Byproducts: Under normal conditions of storage and use, hazardous decomposition products will not be produced.

Questions? Contact sales@glycopath.com

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Section 11: Toxicological Information:

Acute Toxicity: Not established.

**Skin Corrosion/
Irritation:** Not available

**Serious Eye
Damage/ Irritation:** Not available.

**Respiratory or
Skin Irritation:** Not available.

**Germ Cell
Mutagenicity:** No data available.

Carcinogenicity: Not available.

**Reproductive
Toxicity:** Not available.

**STOT – Single
Exposure:** No data available.

**STOT – Repeated
Exposure:** No data available.

Aspiration Hazard: No data available.

**Information on
Likely Routes of
Exposure:** Routes of entry anticipated: oral, dermal, and inhalation



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Section 11: Toxicological Information (Continued):

Potential Acute Health Effects: **Inhalation:** No known significant effects or critical hazards
Ingestion: No known significant effects or critical hazards.
Skin Contact: No known significant effects or critical hazards.
Eye Contact: No known significant effects or critical hazards.

Symptoms Related to the Physical, Chemical and Toxicological Characteristics: No specific data.

Delayed, Intermediate and Chronic Effects from Short- and Long-Term Exposure: Not available.

Potential Chronic Health Effects: Not available.

Section 12: Ecological Information:

Toxicity: Avoid release into environment. Runoff from fire control or dilution water may cause pollution

Persistence and Degradability: No data available.

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

Results of PBT and vPvB assessment: Not applicable.

Other Adverse Effects: No data available.

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Section 13: Disposal Considerations:

Waste Disposal Method: No special requirements. Dispose of according to local, state and federal regulations.

Section 14: Transportation Information:

Land Transport (US DOT): Not available.

Land Transport (European ADR/RID): Not available.

Air Transport (ICAO/IATA): Not available

Additional Transport Information: Transport in accordance with local, state and federal regulations.

Section 15: Regulatory Information:

National Regulations: Data not available.

SARA Reporting Requirements: This product is not subject to Section 302, 304, and 313 reporting requirements under the Superfund Amendment and Reauthorization Act.

Section 16: Other Information:

The above information is supplied in good faith and is believed to be correct. It does not claim to be all inclusive and is intended to be used only as a guide. Final determination of the suitability of any material is the sole responsibility of the user. GlycoPath Inc. shall not be held responsible for any damage resulting from handling or contact with the above product. This product is intended for in vitro research only.