Safety Data Sheet

Section I: Product and Company Identification

Product Trade Name..... **SuperG Blocking Buffer**

Product Number..... 105100, 105101

Product Use Description..... Reduction of fluorescent background for porous nitrocellulose substrates.

Manufacturer's Name..... Grace Bio-Labs, Inc.

Address..... 1015 SW Emkay Drive, Bend, Oregon 97702 USA

Emergency Telephone Number..... 1-800-813-7399

Telephone Number 1-541-318-1208

Fax Number..... 1-541-318-0242

Section 2: Hazards Identification

Classification of substance:

Mixture is not classified as a hazardous substance or mixture.

GHS label elements, including precautionary statements:

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Hazards not otherwise classified (HNOC) or not covered by GHS: None

Section 3: Composition/Information on Ingredients

Ingredient Name	CAS #	Content % by Wt	EINECS #	EU Classification
Proprietary formulation, no hazardous components above 1% or carcinogens above 0.1%	None	100%	None	Not Classified

Section 4: First Aid Measures

Eye Exposure..... Introduction into the eye could cause irritation. In case of contact with eye(s), wash eyes immediately with large amounts of water or normal saline solution for at least 15 minutes, lifting the upper and lower eyelids to assure adequate flushing. Seek medical attention if irritation develops or persists.

Skin Contact..... No adverse acute effects are expected via this route of exposure. Flush with water then thoroughly wash affected area with soap and water.

Ingestion..... No data on ingestion is available. Extremely large oral doses may produce gastrointestinal disturbance. If swallowed consult with medical professional or poison control center to determine recommended actions.

Inhalation..... No data on inhalation is available. No adverse acute effects are expected via this route of exposure. Inhalation/aspiration is unlikely.

Most important symptoms and effects, both acute and delayed...None; no data available

Indications of any immediate medical care or special treatment needed.....None; no data available

Section 5: Fire Fighting Measures

NFPA Hazard Classification..... Health : 0 Flammability : 0 Reactivity : 0 Other : N/A

Extinguishing Media..... No restriction; use appropriate agent for surrounding fire.

Fire Fighting Procedure..... Wear full protective clothing, including self-contained breathing apparatus. Although presenting no special fire hazard in normal use, the material will burn and could contribute to an existing fire.

Hazardous Combustion Products.....Toxic fumes of carbon monoxide, carbon dioxide and nitrogen oxides in minor amounts.

Unusual Fire and Explosion Hazards..... None

Section 6: Accidental Release Measures

In case of spill:

Wear suitable laboratory protective clothing. Absorb any spills with absorbent (inert) material then place in a disposal container.
Wash the area of the spill thoroughly with soap and water.

Section 7: Handling and Storage

Handling: Refer to Section VIII for recommended precautionary measures when handling SuperG Blocking Buffer.

Storage: Store refrigerated at 2-8°C (4°C optimum).

Section 8: Exposure Controls / Personal Protection

OSHA Hazardous Components (29 CFR 1910.1200):	**Exposure Limits**	
None	OSHA PEL None Established	ACGIH TLV None Established

Engineering Controls:
Use in open area, local ventilation. Not respirable as a liquid.

Personal Protective Equipment:
- Safety goggles or glasses with side shields
- Protective clothing (lab coat)
- Protective gloves – disposable rubber latex or nitrile gloves

Section 9: Physical and Chemical Properties

Appearance: Clear to slightly turbid solution

Odor: None

pH: 6.1 - 6.5

Conductivity: 13.9 – 17.1 mS/cm

Melting point/Freezing point: No data available

Flash point: No data available

Evaporation rate: No data available

Flammability: Not classified as flammable

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: No data available

Viscosity: No data available

Oxidizing Properties: No data available

Partition coefficient: n-octanol/water: No data available

Auto-ignition temperature: No data available

Decomposition temperature: No data available

Section 10: Stability and Reactivity

Stability..... Chemically stable under ordinary conditions of use and storage.

Reactivity..... Nonreactive under standard ambient conditions.

Conditions to Avoid..... None known.

Materials to Avoid..... None known.

Possible hazardous reactions..... None known.

Hazardous Decomposition Products..... None known. In the event of fire, see section V.

Section 11: Toxicological Information

Likely route(s) of exposure: Skin contact

Acute toxicity: No data available

Skin corrosion/irritation: No data available

Serious eye damage/eye irritation: No data available

Aspiration hazard: None; no data available

Germ cell mutagenicity: Not known, no data available

Reproductive toxicity: Not known, no data available

Specific target organ toxicity-single exposure: No data available

Specific target organ toxicity-repeated exposure: No data available

Carcinogenicity:

OSHA: No ingredient of this product is present at levels greater than or equal to 0/1% is on OSHA's list of regulated carcinogens.
IARC: No ingredient of this product is present at levels greater than or equal to 0/1% is identified as probable, possible, or confirmed human carcinogen by IARC.

Additional information:

To the best of our knowledge, the toxicological properties of this product have not been thoroughly investigated. When handled appropriately, hazardous properties or results are unlikely to occur.

Section 12: Ecological Information

Persistency and degradability: No data available

Bioaccumulative potential: No data available

Mobility in soil: No data available

Other adverse effects: No data available

Section 13: Disposal Considerations

Dispose of excess or waste product in accordance with all federal, state and local laws. Uncleaned containers should be handled in the same manner as the product contained.

Section 14: Transportation Information

DOT (US): Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

Section 15: Regulatory Information

Not Applicable

Section 16: Other Information

The above information is believed to be correct but is intended to be used solely as a guidance document based on the present state of knowledge concerning the product identified. This document is applicable to safety precautions concerning the identified product and does not represent any guarantee concerning the properties of the product. Contact Grace Bio-Labs, Inc. for additional information, support or conditions of sale for this product.