



Safety Data Sheet

Section I: Product and Company Information

Product Trade Name	<i>Q-Block Blocking Buffer</i>
Product Number.....	105106, 105107
Product Use Description	R&D use only. Not for drug, household or other uses.
Manufacturer's Name.....	Grace Bio-Labs, Inc.
Address.....	325 SW Cyber Drive Bend, Oregon 97702 US
Emergency Telephone Number	Within USA and Canada: 1-800-424-9300 Outside USA and Canada: +1 703-527-3887
Telephone Number for Information....	1 (800) 813-7339
Fax Number	(541) 318-0242
Prepared by	Regulatory Affairs

Section II: Hazards Identification

EMERGENCY OVERVIEW:

CAUTION! MAY CAUSE SKIN AND EYE IRRITATION.

Based on percentages of hazardous ingredients in this product, this product is not classified as "dangerous" under EU Directives (67/548/EEC and 1999/45/EC) or hazardous under US OSHA Hazard Communication regulations (29 CFR 1910.1200).

POTENTIAL HEALTH EFFECTS:

Skin:	May cause skin irritation.
Eyes:	May cause eye irritation.
Ingestion:	May be harmful if swallowed.
Inhalation:	May cause irritation in the upper respiratory tract.

Carcinogenicity
Not listed.

Section III: Composition/Information on Hazardous Ingredients

Ingredient Name	CAS #	%	EINECS #	EU Classification (See Section XVI)
Proprietary formulation; no hazardous components above 1% or carcinogens above 0.1%	None	100	None	Not Classified

Section IV: First Aid Measures

Eye Exposure	Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used.
Skin Exposure	In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes.
Ingestion	If swallowed, rinse mouth out with water.
Inhalation	If inhaled, remove to fresh air. If not breathing, seek medical attention.
Notes to Physicians	None.

Section V: Fire Fighting Measures

NFPA Hazard Classification	Health: 1	Flammability: 0	Reactivity: 0	Other:
Extinguishing Media	No restriction; use appropriate agent for surrounding fire.			
Fire Fighting Procedure	Non-combustible, use extinguishing media appropriate to surrounding fire conditions.			
Hazardous Combustion Products	None.			
Unusual Fire and Explosion Hazards	None.			

Section VI: Accidental Release Measures

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Wear suitable laboratory protective clothing. Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.

Section VII: Handling and Storage

HANDLING:

Observe good laboratory safety procedures at all times. Product to be handled by trained laboratory staff.

STORAGE:

Store at 2°C - 8°C.

Section VIII: Exposure Control / Personal Protection

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200):

None.

Exposure Limits	
OSHA PEL	ACGIH TLV

ENGINEERING CONTROLS:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

PERSONAL PROTECTIVE EQUIPMENT:

- Safety goggles or glasses with side shields
- Protective clothing – lab coat
- Protective gloves – disposable rubber gloves

GENERAL HYGIENE CONTROLS:

- Practice good chemical hygiene when handling
- Avoid contact with eyes, skin and clothing
- Do not ingest material
- Safety shower and eyewash station available near location of use

Section IX: Physical and Chemical Properties

Flash Point	Not available	Taste	Not available
Flammable Limits	Not available	Specific Gravity (H₂O=1)	Not available
Auto-Ignition Temperature	Not available	Melting Point	Not available
Flammability (solid, gas)	Not flammable	Freezing Point	Not available
Explosive Properties	Not explosive	Evaporation Rate	Not available
Oxidizing Properties	Not an oxidizer	Boiling Point	Not available
Vapor Pressure (mmHg) 20°C...	Not available	Viscosity	Not available
Vapor Density (AIR=1)	Not available	pH	Not available
Relative Density	Not available	Percent Volatiles	Not available
Partial coefficient:			
n-octanol/water	Not available	Solubility in Water	Complete
Appearance	Clear, translucent		
Physical State	Liquid		
Odor	Odorless		

Section X: Stability and Reactivity Data

Stability	Chemically stable under ordinary conditions of use and storage.
Conditions to Avoid	None known
Materials to Avoid	None known
Hazardous Decomposition or Byproducts	None known
Hazardous Polymerization	Will not occur.

Section XI: Toxicological Information

May cause irritation in the upper respiratory tract; may cause skin irritation; may be harmful if absorbed through the skin; may cause eye irritation; may be harmful if swallowed.

Section XII: Ecological Information

No information available.

Section XIII: Disposal Considerations

APPROPRIATE WASTE DISPOSAL METHOD:

Observe all federal, state and local laws when considering most appropriate disposal method.



Section XIV: Transport Information

UN Number	None
UN Proper Shipping Name	None
Transport Hazard Class(es)	None
Packing Group	None
Environmental Hazard	None
Reportable Quantity (RQ)	None
Emergency Telephone Number	1-800-424-9300
(During Transport) Special Precautions for User	None

Section XV: Regulatory Information

US FEDERAL REGULATIONS

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):
Not Applicable.

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 EPA HAZARD CATEGORIES: Acute Health Hazard

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI: Other Information

The above product information is believed to be correct, however, Grace Bio-Labs, Inc. makes no representation of its accuracy or completeness. Persons receiving this information must exercise their independent judgment in determining the products safety and suitability for its intended use.

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