

Document: GB4353-A
Release date: Aug 18, 2024

Applies to part numbers:
RF1557,GB4353-5,GB4353-15,GB4354

Section 1 Product and Company Identification

Product code: GB4353 Product name: Fast-dissolving Dual-color Protein Loading Buffer (Denaturing, Reducing, 5×)

Supplier: YAMAYBIO INC

Address: 6191 Cornerstone Court, Suite 107, San Diego, CA 92121, USA

Recommended Use: For research use only.

Restrictions on Use: Not for clinical use. Not for internal use in animals or humans. Not for diagnostic use. Not for household or any other unintended use.

Section 2 Hazards Identification

EMERGENCY OVERVIEW:

Harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

HMIS RATING

HEALTH	0
FLAMMABILITY	0
REACTIVITY	0

For additional information on toxicity, please refer to Section 11.

Section 3 Composition/ Information on Ingredients

Ingredient	CAS-No.	EINECS-No.	Weight %
Glycerol	56-81-5	200-289-5	40-70
Lauryl alcohol sulfate	2044-56-6	218-055-6	2-5

Section 4 First Aid Measures

ORAL EXPOSURE If swallowed, wash out mouth with water provided person is conscious. Call a physician.

INHALATION EXPOSURE If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

DERMAL EXPOSURE In case of contact, immediately wash skin with soap and copious amounts of water.

EYE EXPOSURE In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Section 5 Fire Fighting Measures

FLASH POINT N/A

AUTOIGNITION TEMP N/A

FLAMMABILITY N/A

EXTINGUISHING MEDIA

Suitable Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

Not suitable No information available

FIREFIGHTING Standard procedure for chemical fires

Section 6 Accidental Release Measures

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES Ensure adequate ventilation.
Always wear recommended Personal Protective Equipment.
Use personal protection equipment .

ENVIRONMENTAL PRECAUTIONS No special environmental precautions required.

METHODS AND MATERIAL FOR CONTAINMENT Soak up with inert absorbent material.

Section 7 Handling and Storage

SAFE HANDLING Use personal protective equipment as required. No special handling advices are necessary.

SAFE STORAGE Keep in a dry, cool and well-ventilated place. Keep in properly labeled containers.

Section 8 Exposure Controls / Personal Protection

PERSONAL PROTECTIVE EQUIPMENT

Respiratory In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards.

Hand Wear suitable gloves. Glove material: Compatible chemical-resistant gloves.

Eye Tight sealing safety goggles.

Skin and Body Wear suitable protective clothing.

GENERAL HYGIENE MEASURES

Wash thoroughly after handling.

ENVIRONMENTAL EXPOSURE CONTROLS

No special environmental precautions required.

Section 9 Physical and Chemical Properties

Appearance Physical State Liquid

Solvent Content N/A

Section 10 Stability and Reactivity

STABILITY Stable under normal conditions.

HAZARDOUS DECOMPOSITION PRODUCT

Hazardous Decomposition Products No dangerous decomposition products known

HAZARDOUS POLYMERIZATION

Hazardous Polymerization No data available.

Section 11 Toxicological Information

Information on toxicological effects

Ingredient	Oral LD50	Dermal LD50	Inhalation LC50
Glycerol	= 12600 mg/kg Oral	> 10 g/kg(Rabbit)	>2.75mg/L(Rat)
Lauryl alcohol sulfate	No data available.	No data available	No data available

ROUTE OF EXPOSURE

Skin Contact May cause skin irritation.

Skin Absorption May be harmful if absorbed through the skin.

Eye Contact May cause eye irritation.

Inhalation	Material may be irritating to mucous membranes and upper respiratory tract. May be harmful if inhaled.
Ingestion	May be harmful if swallowed.

SIGNS AND SYMPTOMS OF EXPOSURE

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Section 12 Ecological Information

Toxicity	The environmental impact of this product has not been fully investigated.
Persistence and degradability	No further relevant information available.
Bioaccumulative potential	No further relevant information available.
General notes	Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Results of PBT and vPvB assessment	Not Applicable.

Section 13 Disposal Considerations

APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION:

Observe all federal, state, and local environmental regulations.

Within the present knowledge of the supplier, this product is not regarded as hazardous waste.

Section 14 Transport Information

IATA / ADR / DOT-US / IMDG	Not regulated in the meaning of transport regulations.
Environmental hazards	Not Applicable
Special precautions for user	Not Applicable
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not Applicable

Section 15 Regulatory Information

Ingredient	US TSCA
Glycerol 56-81-5 (40-70)	Listed
Lauryl alcohol sulfate, lithium salt 2044-56-6 (<10)	Listed

US FEDERAL REGULATIONS

SARA 313	This product is not regulated by SARA.
Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)	This product does not contains HAPs.

US STATE REGULATIONS

California Proposition 65	This product does not contain any Proposition 65 chemicals.
WHMIS Hazard Class	Non-controlled

Section 16 Other Information

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The information provided herein has been obtained through diligent research and analysis. The recommendations are based upon the prudent application of professional judgment. This information is not intended to be exhaustive and should be used as a general guideline. All materials and mixtures may present potential hazards, and should be handled with care. As the Company cannot control the specific methods, quantities, or conditions of use, it shall not be liable for any damages or losses resulting from the handling or contact with the product as described herein.

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End of Safety Data Sheet