SAFETY DATA SHEET

Document: **BM31531-A**
Release date: **Sep 18, 2024**

Applies to part numbers:
BM3151,BM3151-S

Section 1 Product and company identification

Product code: BM3151

Product name: Rapid Coomassie Blue Staining (Destaining-free)

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 %
Ethyl alcohol	64-17-5	200-578-6	3-5

The product contains no other substances which, at their given concentration, are considered hazardous to health.

Section 4 First Aid Measures

ORAL EXPOSURE	Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice. If swallowed, wash out mouth with water provided person is conscious. Call a physician.
INHALATION EXPOSURE	Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. if necessary, call a physician.
DERMAL EXPOSURE	In case of contact, rinse with plenty 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	

Protective Equipment	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Specific Hazard(s)	Emits toxic fumes under fire conditions.

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. See Section 8 for more detail.
ENVIRONMENTAL PRECAUTIONS	Try to prevent further leakage or spillage. Keep the product away from drains or water courses.
METHODS AND MATERIAL FOR CONTAINMENT	Absorb solutions with finely-powdered liquid-binding material (diatomite, universal binders); Decontaminate surfaces and equipment by scrubbing with alcohol; Dispose of contaminated material according to Section 13.

Section 7 Handling and Storage

SAFE HANDLING	Avoid inhalation, contact with eyes and skin. Avoid dust and aerosol formation. Use only in areas with appropriate exhaust ventilation.
SAFE STORAGE	Keep container tightly sealed in cool, well-ventilated area. Keep away from direct sunlight and sources of ignition.

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	Keep the product away from drains, water courses or the soil. Clean spillages in a safe way as soon as possible.

Section 9 Physical and chemical properties

APPEARANCE PHYSICAL STATE	blue liquid
SOLVENT CONTENT	N/A

Section 10 Stability and Reactivity

STABILITY	Stable under recommended storage conditions.
Materials to Avoid	Strong acids/alkalis, strong oxidising/reducing agents.

HAZARDOUS DECOMPOSITION PRODUCT

Hazardous Decomposition Products	Under fire conditions, may decompose and emit toxic fumes

HAZARDOUS POLYMERIZATION

Hazardous Polymerization	No data available.

Section 11 Toxicological Information

INFORMATION ON TOXICOLOGICAL EFFECTS

Ingredient	Oral LD50	Dermal LD50	Inhalation LC50
Ethyl alcohol	= 7060 mg/kg (Rat)	No data available	=124.7mg/L(Rat)

ROUTE OF EXPOSURE

Skin Contact	May cause skin irritation.
Eye Contact	May cause eye irritation.
Inhalation	May be harmful if inhaled. Causes respiratory tract irritation.
Ingestion	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	No further relevant information available.
Persistence and degradability	No further relevant information available.
Bioaccumulative potential	No further relevant information available.
General notes	No further relevant information available.
Results of PBT and vPvB assessment	No further relevant information available.

Section 13 Disposal Considerations

APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION:

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. Observe all federal, state, and local environmental regulations.

Section 14 Transport Information

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

Section 15 Regulatory Information

Ingredient	US TSCA
Ethyl alcohol 64-17-5 (3-5)	Listed

US FEDERAL REGULATIONS

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.
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 contains the following Proposition 65 chemicals.

Chemical Name	CAS-No	Weight %	Category
Ethyl alcohol	64-17-5	3-5	Carcinogen Developmental

WHMIS Hazard Class — Non-controlled

Section 16 Other information

Date of last revision:	Sep 18,2024

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