



Document: BM3154-A  
Release date: Aug 18, 2024

Applies to part numbers:  
BM3154-100, BM3154-500

## Section 1 Product and Company Identification

Product code: BM3154 Product name: Western Blot Rapid Stripping Buffer (mild and general type)

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       | 2 |
| FLAMMABILITY | 0 |
| REACTIVITY   | 0 |

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

## Section 3 Composition/ Information on Ingredients

Chemical characterization: Mixtures

| Ingredient              | CAS-No. | EINECS-No. | Weight % |
|-------------------------|---------|------------|----------|
| Guanidine hydrochloride | 50-01-1 | 200-002-3  | 50-70    |

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

## 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

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

### **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. Store in accordance with local regulations.

### **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

Colorless Liquid, water-based, pH 2.0 to 2.5

#### Solvent Content

N/A

### **Section 10 Stability and Reactivity**

#### STABILITY

Stable under normal conditions.

##### Materials to Avoid

Strong oxidizing agents, metals, acids.

#### 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

| Chemical Name           | Oral LD50   | Dermal LD50 | Inhalation LC50 |
|-------------------------|-------------|-------------|-----------------|
| Guanidine hydrochloride | = 354 mg/kg | 1100 mg/Kg  | 11 mg/l         |

## 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:

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in accordance with approved disposal technique. Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local, regional or national/federal 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**

### 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 contain HAPs.    |

### US STATE REGULATIONS

|                           |   |
|---------------------------|---|
| California Proposition 65 | This product does not contain any Proposition 65 chemicals. |
|---------------------------|---|

|                    |  |
|--------------------|--|
| WHMIS Hazard Class | This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR. |
|--------------------|--|

## **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**