



# SAFETY DATA SHEET

Document: BF7401-A  
Release date: Sep 18, 2024

Applies to part numbers:  
BF7401

## **Section 1 Product and Company Identification**

Product code: BF7401 Product name: Cytoplasmic Extraction Reagent A(CERA)

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**

### HMIS RATING

HEALTH	0
FLAMMABILITY	0
REACTIVITY	0

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

## **Section 3 Composition/ Information on Ingredients**

The product is a mix containing no substances which, at their given concentration, are considered to be 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	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. See Section 8 for more detail.

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, water-based, pH 7.4 to 8 .

SOLVENT CONTENT

N/A

## **Section 10 Stability and Reactivity**

STABILITY

Stable under normal conditions.

Materials to Avoid

No dangerous reaction known under conditions of normal use.

HAZARDOUS DECOMPOSITION PRODUCT

Hazardous Decomposition Products

No dangerous decomposition products known

HAZARDOUS POLYMERIZATION

Hazardous Polymerization

No data available.

## **Section 11 Toxicological Information**

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	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**

### 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**

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.

THE INFORMATION CONTAINED IN THIS SAFETY DATA SHEET DOES NOT CONSTITUTE A WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

**End of Safety Data Sheet**

Document: BF7402-A  
Release date: Sep 18, 2024

Applies to part numbers:

BF7402

## Section 1 Product and Company Identification

Product code: BF7402 Product name: Cytoplasmic Extraction Reagent B (CERB)

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.

### GHS CLASSIFICATION

Signal Word

WARNING

Hazard pictograms



Hazard Statements

H315 - Causes skin irritation

H319 - Causes serious eye irritation

Precautionary Statements

Prevention

P264 - Wash hands thoroughly after handling

P280 - Wear protective gloves/protective clothing/eye protection/face protection

Response

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

P362 + P364 - Take off all contaminated clothing and wash it before reuse

P332 + P313 - If skin irritation occurs: Get medical advice/attention

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P337 + P313 - If eye irritation persists: Get medical advice/attention

### HMIS RATING

HEALTH	1
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 %
non ionic detergent			10

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

## Section 4 First Aid Measures

ORAL EXPOSURE	Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. Get medical attention if symptoms occur.
INHALATION EXPOSURE	Remove to fresh air. If not breathing, give artificial respiration. If symptoms persist, call a physician.
DERMAL EXPOSURE	Immediately rinse with lots of water for at least 15 minutes. Take off and wash contaminated clothes and gloves, both inside and out, before using them again. Seek medical help right away.
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.
MOST IMPORTANT SYMPTOMS AND EFFECTS,BOTH ACUTE AND DELAYED	
H315 - Causes skin irritation H319 - Causes serious eye irritation	

## **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	Not known

## **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	Avoid discharge into drains and waterways whenever possible.
METHODS AND MATERIAL FOR CONTAINMENT	Soak up with inert absorbent material.

## **Section 7 Handling and Storage**

SAFE HANDLING	Always wear the recommended PPE (see Section 8 for details). Keep away from eyes, skin and clothing. Do not ingest. If the material is a respiratory hazard during normal use, use it only in well - ventilated areas or wear a proper respirator.
SAFE STORAGE	Keep container tightly sealed in cool, well-ventilated area. 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 laboratory coat for body protection
GENERAL HYGIENE MEASURES	Wash thoroughly after handling.
ENVIRONMENTAL EXPOSURE CONTROLS	Avoid discharge into drains and waterways whenever possible.

## **Section 9 Physical and Chemical Properties**

Appearance Physical State	Liquid
Solvent Content	N/A

## **Section 10      Stability and Reactivity**

STABILITY	Stable under recommended storage conditions.
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HAZARDOUS DECOMPOSITION PRODUCT

Hazardous Decomposition Products	No data available.
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HAZARDOUS POLYMERIZATION

Hazardous Polymerization	No data available.
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## Section 11 Toxicological Information

## INFORMATION ON TOXICOLOGICAL EFFECTS

Ingredient	Oral LD50	Dermal LD50	Inhalation LC50
non ionic detergent	= 1310 mg/kg (Rat) = 2590 mg/kg (Rat)	No data available	No data available

PRINCIPAL ROUTES OF EXPOSURE

Skin corrosion/irritation	Skin irritation, Irritating to eyes
Carcinogenicity	Conclusive but not sufficient for classification
Reproductive toxicity	Conclusive but not sufficient for classification

## Section 12 Ecological Information

## TOXICITY

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	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. 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

## 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

## 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	D2B - Toxic materials

### **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**

Document: BF7403-A  
Release date: Sep 18, 2024

Applies to part numbers:  
BF7403

## **Section 1 Product and Company Identification**

Product code: BF7403 Product name: Nuclear Extraction Reagent C (NERC)

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.

HEALTH	0
FLAMMABILITY	0
REACTIVITY	0

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

## **Section 3 Composition/ Information on Ingredients**

The product is a mix containing no substances which, at their given concentration, are considered to be 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	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. See Section 8 for more detail.

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, water-based, pH 6 to 8

SOLVENT CONTENT

N/A

## **Section 10 Stability and Reactivity**

STABILITY

Stable under normal conditions.

Materials to Avoid

No dangerous reaction known under conditions of normal use.

HAZARDOUS DECOMPOSITION PRODUCT

Hazardous Decomposition Products

No dangerous decomposition products known.

HAZARDOUS POLYMERIZATION

Hazardous Polymerization

No data available.

## **Section 11 Toxicological Information**

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	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**

### 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**

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**