

# SAFETY DATA SHEET

IB47620, IB47621, & IB47622 – RBC LYSIS BUFFER



7445 Chavenelle Road ■ Dubuque, IA 52002

Tele: (563) 690-0484 ■ 1-800-253-4942

E-Mail: [info@ibisci.com](mailto:info@ibisci.com) ■ Web: [www.ibisci.com](http://www.ibisci.com)

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Rev. 3

## 1. IDENTIFICATION OF THE SUBSTANCE/ MIXTURE AND THE COMPANY/UNDERTAKING

**Product Name:** RBC Lysis Buffer  
**Product Code:** IB47620, IB47621, & IB47622  
**Recommend Use:** For further manufacturing use only  
Not for human or animal drug use  
**Company:** IBI SCIENTIFIC  
7445 Chavenelle Road  
Dubuque, IA 52002  
**Emergency Tele. Number:** 3E Company (Acct# 9027) 1-800-451-8346 / (001) 760-602-8703  
**Company Tele. Number:** 1-800-253-4942 / (001) 563-690-0484  
**E-Mail Address:** [info@ibisci.com](mailto:info@ibisci.com)

## 2. HAZARDOUS IDENTIFICATION

### GHS – Classification

**Classification:** Skin Irritant 2 \* Eye Irritant 2A \* Acute Toxicity (Oral) 4 \* Specific Target Organ Toxicity (single exposure) 3  
**Signal Word:** Warning



**Hazard Statements:** H302-Harmful if swallowed \* H315-Causes skin irritation \* H319-Causes serious eye irritation \* H335-May cause respiratory irritation.  
**Precautionary Statements:** P264-Wash exposed skin thoroughly after handling \* P270-Do not eat, drink or smoke when using this product \* P280-Wear protective gloves/protective clothing/eye protection/face protection \* P302+P352-IF ON SKIN: Wash with plenty of soap and water \* P304+P340-IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing \* P305+P351+P338-IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. \* P312-Call a POISON CENTER/doctor/.../if you feel unwell \* P330-If swallowed, rinse mouth \* P332+P313-If skin irritation occurs: Get medical advice/attention \* P337+P313-If eye irritation persists: Get medical advice/attention \* P501-Dispose of contents/container to comply with local, state, and federal regulations.  
**Other Hazards:** Other hazards not contributing to the classification: None  
**Unknown Acute Toxicity:** No data available

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Chemical Name:</b>	<u>EDTA</u>	<u>Ammonium Chloride</u>	<u>Potassium Bicarbonate</u>
<b>EC No.:</b>	Not Available	Not Available	Not Available
<b>REACH Reg. No.:</b>	Not Available	Not Available	Not Available
<b>CAS No.:</b>	6381-92-6	12125-02-9	298-14-6
<b>Weight %:</b>	0.5 – 1.5%	0.5 – 1.5%	0.5 – 1.5%
<b>Classification:</b>	H302, H315, H319, H335		

**4. FIRST AID MEASURES**

<b>Eye Contact:</b>	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
<b>Skin Contact:</b>	Wash off immediately with soap and plenty of water, removing all contaminated clothes and shoes. If pain or irritation occurs, obtain medical attention.
<b>Inhalation:</b>	Move to fresh air. If breathing becomes difficult, give oxygen. Obtain medical attention.
<b>Ingestion:</b>	Clean mouth with water and afterwards drink plenty of water. Seek medical attention.
<b>Notes to Physician:</b>	Treat symptomatically.

**5. FIRE FIGHTING MEASURES**

<b>Flammable Properties:</b>	Not flammable
<b>Flash Point:</b>	Not determined
<b>Suitable Extinguishing Media:</b>	Dry chemical, CO <sub>2</sub> , water spray, or regular foam
<b>Hazardous Combustion Products:</b>	No information available
<b>Explosion Data</b>	
Sensitivity to Mechanical Impact:	Not sensitive
Sensitivity to Static Discharge:	Not sensitive
<b>Protective Equip. &amp; Precautions for Firefighters:</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equiv.) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES**

<b>Personal Precautions:</b>	Avoid contact with skin, eyes, and clothing. Use personal protective equipment. Ensure adequate ventilation.
<b>Methods for Containment:</b>	Prevent further leakage or spillage, if safe to do so.
<b>Methods for Cleaning Up:</b>	Absorb on sand or vermiculite and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete.

**7. HANDLING AND STORAGE**

<b>Handling:</b>	Handle in accordance with good industrial hygiene and safety practice.
<b>Storage:</b>	Keep container tightly closed in a dry, cool, and well-ventilated place. Hygroscopic. Protect from moisture. Store away from strong acids, strong bases, strong oxidizers, and other incompatible materials.
<b>Incompatible Products:</b>	No information available.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

<b>Engineering Measures:</b>	Showers, Eyewash Stations, Ventilation Systems
<b>Personal Protective Equipment</b>	
Eye/Face Protection:	Tight fitting safety goggles.
Skin & Body Protection:	Wear protective gloves/clothing.
Respiratory Protection:	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may

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be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

### Hygiene Measures:

Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear and colorless liquid
Odor:	Odorless
Odor Threshold:	No information available
Solubility:	Miscible
Decomposition Temp. °C:	No information available
Freezing Point:	No information available
Initial Boiling Point:	No information available
Physical State:	Liquid
pH:	7.5 – 8.5
Flash Point:	No data available
Autoignition Temp. °C:	No data available
Boiling Point/Range:	No data available
Melting Point/Range:	No data available
Flammability Limits (Air):	<u>Upper</u> -No data available * <u>Lower</u> -No data available
Explosive Properties:	No information available
Oxidizing Properties:	No information available
Evaporation Rate:	No data available
MMHG @ 37.8°C:	No data available
Vapor Density:	No data available
Specific Gravity:	No data available
Density:	No data available
Water Solubility:	No data available
Partition Coefficient (n-octanol/water):	No data available
Viscosity:	No information available

## 10. STABILITY AND REACTIVITY

Stability:	Stable under recommended storage conditions
Incompatible Products:	None
Conditions to Avoid:	Extremely high or low temperatures
Hazardous Decomposition Products:	Carbon oxides, Nitrogen oxides
Hazardous Polymerization:	Hazardous polymerization does not occur.

## 11. TOXICOLOGICAL INFORMATION

Acute Toxicity	Harmful if swallowed
Skin corrosion/irritation:	Causes skin irritation
Serious eye damage/irritation:	Causes serious eye irritation
Respiratory or skin sensitization:	Not classified
Germ Cell Mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive Toxicity:	Not classified
Specific Target Organ Toxicity (Single):	May cause respiratory irritation
Specific Target Organ Toxicity (Repeated):	Not classified
Aspiration Hazard:	Not classified
Potential Adverse Human Health Effects:	Harmful if swallowed
Symptoms/Injuries After Inhalation:	May cause respiratory irritation
Symptoms/Injuries After Skin Contact:	Causes skin irritation
Symptoms/Injuries After Eye Contact:	Causes serious eye irritation
Symptoms/Injuries After Ingestion:	Swallowing small amounts of this material will result in serious health hazards

**12. ECOLOGICAL INFORMATION****Ecotoxicity:**

Toxicity to Algae:	-
Toxicity to Fish:	LC50 $1 \geq 500$
Persistence and Degradability:	Not established
Bioaccumulative Potential:	Not established
Mobility in Soil:	No additional information available
Other Adverse Effects:	Avoid release to environment

**13. DISPOSAL CONSIDERATIONS**

<b>Water Disposal Method:</b>	Dispose of material in accordance with all federal, state, and local regulations.
<b>Contaminated Packaging:</b>	Dispose of in accordance with all federal, state, and local regulations.

**14. TRANSPORT INFORMATION****IATA**

Not regulated

**US DOT**

Not regulated

**15. TOXICOLOGICAL INFORMATION****U.S. Federal Regulations****SARA 313**

Section 313 of Title III of the superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain a chemical/chemicals which are subject to the reporting requirements of the Act & Title 40 of the Code of Federal Regulations, part 372.

**SARA 311/312 Hazard Categories**

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

**Clean Water Act**

This product does not contain any substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**Chemical Name:**

EDTA, disodium dehydrate - #6381-92-6

CWA – Reportable Quantities: -

CWA – Toxic Pollutants: -

CWA – Priority Pollutants: -

CWA – Hazardous Substances: -

**Clean Air Act**

Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61). This product does not contain any substances which are listed hazardous air pollutants (HAPs) under Section 112 of the Clean Air Act.

**U.S. State Regulations****California Proposition 65:**

This product does not contain any Proposition 65 chemicals.

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### International Regulations

**Mexico:** No information available

**Canada:** Not listed on the Canadian Ingredient Disclosure List

**WHMIS Hazard Class:** No information available

### **16. OTHER INFORMATION**

**Issuing Date:** 05-Mar-2003

**Revision Date:** 05-April-2021

**Revision Note:** Updated to GHS

**Recommended Restrictions:** No information available

**Disclaimer:** The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal, and release; and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the test.

**End of Safety Data Sheet**