

## RIPA Lysis Buffer SDS

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Version Number: **1.0**

**SECTION 1: IDENTIFICATION****1.1 Product Identifier**

**Product Form:** Mixture

**Product Name:** RIPA Lysis Buffer

**Product Code:** MB-030-0050

**1.2 Intended Use of the Product**

For research use only

**1.3 Name, Address, and telephone of the Responsible Party**

Company:

Rockland Immunochemicals, Inc.

321 Jones Boulevard

Pottstown, PA 19464

(800) 656-7625

**1.4 Emergency Telephone Number**

CHEMTREC: 800-424-9300 CHEMTREC (USA) +1-703-527-3887 CHEMTREC (International) 24 Hours/day; 7 Days/week

**SECTION 2: HAZARDS IDENTIFICATION****2.1 Classification of the Substance or Mixture**

**GHS-US Classification:** Not classified

**2.2 Label Elements**

**GHS-US Labeling:**

Hazard Pictogram: N/A

Signal Word: N/A

Hazard Statements: N/A

Precautionary Statements: N/A

**2.3 Other Hazards**

No data available

**2.4 Unknown Acute Toxicity (GHS-US)**

No data available

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Substance**

Not applicable

**3.2 Mixture**

Name	Product Identifier	%	GHS-US classification*
Sodium Azide	(CAS No) 26628-22-8	<=0.01	Acute Tox. 2 (Oral), H300 Acute Tox. 1 (Dermal), H310 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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Ethylenediaminetetraacetic acid trisodium salt hydrate	(CAS No) 85715-60-2	<=0.1	Skin Irrit. 2; Eye Irrit. 2A; STOT SE 3; H315, H319, H335
$\alpha$ -(4-Nonylphenyl)- $\omega$ -hydroxy-poly(oxy-1,2-ethanediyl) branched (NP-40) (NP-40)	(127087-87-0)	<=1	Acute Tox. 4; Eye Dam. 1; Aquatic Acute 2; Aquatic Chronic 2; H302, H332, H318, H401, H411

\*Full text of GHS-US phrases: see section 16

**SECTION 4: FIRST AID MEASURES**
**4.1 Description of First Aid Measures**

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

After Inhalation: When symptoms occur, go into open air, and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

After Skin Contact: Immediately remove any contaminated clothing.

After Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

After Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

**4.2 Most Important Symptoms and Effects, Both Acute and Delayed**

General: None known.

After Inhalation: None known.

After Skin Contact: None known.

After Eye Contact: None known.

After Ingestion: None known.

Chronic Symptoms: None known.

**4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed**

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

**SECTION 5. FIRE-FIGHTING MEASURES**
**5.1 Extinguishing Media**

Suitable Extinguishing Media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable Extinguishing Media: For this substance/mixture no limitations of extinguishing agents are given.

**5.2 Special Hazards Arising from the Substance or Mixture**

Fire Hazard: Not flammable.

Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

**5.3 Advice for Firefighters**

Precautionary Measures - Fire: Exercise caution when fighting any chemical fire. Under fire conditions closed containers may rupture or explode.

Firefighting Instructions: Use water spray or fog for cooling exposed containers. Remove containers from fire area if this can be done without risk. Do not breathe fumes from fires or vapors from decomposition.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Other Information: Do not allow run-off from firefighting to enter drains or water courses.

**SECTION 6 ACCIDENTAL RELEASE MEASURES**

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**6.1 Personal Precautions, Protective Equipment and Emergency Procedures**

General Measures: Normal ventilation is adequate.

**6.1.1 For Non-emergency Personnel**

Protective Equipment: Use appropriate personal protection equipment (PPE).

**6.1.2 For Emergency Personnel**

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

**6.2 Environmental Precautions**

Do not let product enter drains.

**6.3 Methods and Material for Containment and Cleaning Up**

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Absorb and/or contain spill with inert material. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

**6.4 Reference to Other Sections**

See Heading 8, Exposure Controls and Personal Protection. See Section 13, Disposal Considerations.

**SECTION 7: HANDLING AND STORAGE****7.1 Precautions for Safe Handling**

Additional Hazards When Processed: None

Precautions for Safe Handling: For precautions see section 2.2. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and when leaving work.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

**7.2 Conditions for Safe Storage, Including Any Incompatibilities**

Technical Measures: Comply with applicable regulations.

Storage Conditions: Store vial at -70° C or COLDER

Incompatible Products: N/A

**7.3 Specific End Use(s)**

For research use only.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 Control Parameters**

Contains no substances with occupational exposure limit

**8.2 Exposure Controls**

Appropriate Engineering Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Personal Protective Equipment: The use of personal protective equipment may be necessary as conditions warrant. Gloves. Protective clothing. Protective goggles.

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Materials for Protective Clothing: Wear appropriate protective gloves and clothing to prevent skin exposure.

Hand Protection: Wear protective gloves.

Eye and Face Protection: Safety glasses with side shields or safety goggles.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: Not required under normal conditions.

Environmental Exposure Controls: No special environmental precautions required.

Other Information: When using, do not eat, drink, or smoke.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on Basic Physical and Chemical Properties

Physical State: Liquid (sterile filtered)

Appearance: No data available

Odor: No data available

Odor Threshold: No data available

pH: No data available

Evaporation Rate: No data available

Melting Point: No data available

Freezing Point: No data available

Boiling Point: No data available

Flash Point: No data available

Auto-ignition Temperature: No data available

Decomposition Temperature: No data available

Flammability (solid, gas): Not flammable

Lower Flammable Limit: No data available

Upper Flammable Limit: No data available

Vapor Pressure: No data available

Relative Vapor Density at 20°C: No data available

Relative Density: No data available

Specific Gravity: No data available

Solubility: No data available

Partition Coefficient: N-Octanol/Water: No data available

Viscosity: No data available

### 9.2 Other Information

No additional information available.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

Hazardous reactions will not occur under normal conditions.

### 10.2 Chemical Stability

Stable under recommended handling and storage conditions (see section 7).

### 10.3 Possibility of Hazardous Reactions

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No information available.

**10.4 Conditions to Avoid**

No information available.

**10.5 Incompatible Materials**

No information available.

**10.6 Hazardous Decomposition Products**

Under normal conditions of storage and use, hazardous decomposition products should not be produced. In the event of fire: see section 5.

**SECTION 11: TOXICOLOGICAL INFORMATION**

**11.1 Information on Toxicological Effects**

**IARC:** No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.

**NTP:** No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**OSHA:** No component of this product present at levels greater than or equal to 0.1% is on OSHA’s list of regulated carcinogens.

Acute toxicity:

<b>Tris HCL (1185-53-1)</b>	
LD50 Oral	> 5,000 mg/kg (Rat)
LD50 Dermal	> 5,000 mg/kg (Rat)
<b>Sodium dodecyl sulfate (151-21-3)</b>	
LD50 Oral	977 mg/kg (Rat)
LD50 Dermal	> 2,000 mg/kg (Rat)
LC50 Inhalation	24 h (Rabbit)
<b>Sodium Azide (26628-22-8)</b>	
LD50 Oral	27 mg/kg (Rat)
LD50 Dermal	20 mg/kg (Rabbit)
LC50 Inhalation	0.054-0.52 mg/L dust/mist (Rat)
<b>Sodium Chloride (7647-14-5)</b>	
LD50 Oral	3 g/kg (Rat)
LD50 Dermal	10000 mg/kg (Rabbit)
LC50 Inhalation	42 mg/L (Rat) 1 h
<b>α-(4-Nonylphenyl)-ω-hydroxy-poly(oxy-1,2-ethanediyl) branched (NP-40) (127087-87-0)</b>	
LD50 Oral	960 - 3,980 mg/kg (Rat)
LD50 Dermal	2,000 - 2,991 mg/kg (Rabbit)
LC50 Inhalation	4 h - 1.15 mg/l - dust/mist (Rat)

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Chronic Toxicity Irritation: No information available.

Sensitization: No information available.

Carcinogenicity: No information available.

Mutagenic effects: No information available.

Reproductive effects: No information available.

Developmental effects: No information available.

Teratogenicity: No information available.

**SECTION 12: ECOLOGICAL INFORMATION**
**12.1 Toxicity**

No data available.

**12.2 Persistence and Degradability**

No data available.

**12.3 Bioaccumulative Potential**

No data available.

**12.4 Mobility in Soil**

No data available.

**12.5 Other Adverse Effects**

No data available.

**SECTION 13: DISPOSAL CONSIDERATIONS**
**13.1 Waste Treatment Methods**

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, and international regulations.

Additional Information: None.

Ecology – Waste Materials: Avoid release to the environment.

**SECTION 14: TRANSPORT INFORMATION**

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored and can vary based on several variables that may or may not have been known at the time the SDS was issued.

**14.1 In Accordance with DOT**

Not regulated for transport.

**14.2 In Accordance with IMDG**

Not regulated for transport.

**14.3 In Accordance with IATA**

Not regulated for transport.

**14.4 In Accordance with TDG**

Not regulated for transport.

**SECTION 15: REGULATORY INFORMATION**
**15.1 US Federal Regulations**

Sodium chloride (7647-14-5)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Sodium azide (26628-22-8)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Listed on the United States SARA Section 302
Subject to reporting requirements of United States SARA Section 313

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SARA Section 302 Threshold Planning Quantity (TPQ)	500 (This material is a reactive solid. The TPQ does not default to 10000 pounds for non-powder, non-molten, non-solution form)
SARA Section 313 - Emission Reporting	1.0%
α-(4-Nonylphenyl)-ω-hydroxy-poly(oxy-1,2-ethanediyl) branched (NP-40) (127087-87-0)	
SARA 311/312 Hazards: Acute Health Hazard	

**15.2 US State Regulations**

Sodium azide (26628-22-8)
U.S. – Massachusetts – Right To Know List
U.S. – New Jersey – Right to Know Hazardous Substance List
U.S. – Pennsylvania – RTK (Right to Know) – Environmental Hazard List
U.S. – Pennsylvania – RTK (Right to Know) List

**SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION**

Date of Preparation or Latest Revision: 03/15/2023

Other Information: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Full text of GHS-US phrases

Acute Tox. 2	Acute Toxicity Category 2
Acute Tox. 1	Acute Toxicity Category 1
STOT RE 2	Specific Target Organ Toxicity- repeated exposure
Aquatic Acute 1	Hazardous to Aquatic Environment, short term
Aquatic Chronic 1	Hazardous to Aquatic Environment, long term
H300	Fatal if swallowed
H310	Fatal in contact with skin
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
Skin Irrit. 2	Skin Irritation Category 2
Eye Irrit. 2A	Eye irritation (Category 2A)
STOT SE 3	Specific target organ toxicity (single exposure)
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation
Acute Tox. 4	Acute toxicity Oral (Category 4)
Eye Dam. 1	Serious eye damage (Category 1)
Aquatic Acute 2	Short-term (acute) aquatic hazard (Category 2)
Aquatic Chronic 2	Long-term (chronic) aquatic hazard (Category 2)
H302	Harmful if swallowed or if inhaled
H332	Harmful if swallowed or if inhaled
H318	Serous eye damage
H401	Short-term (acute) aquatic hazard (Category 2)
H411	Toxic to aquatic life with long lasting effects

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety, and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*