

SAFETY DATA SHEET (SDS)

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name: RBC Lysis Buffer (10x)
Catalog Number: PF00013

Company/undertaking Identification:

Proteintech Group
5500 Pearl Street
STE 400
Rosemont, IL 60018
312-455-8498
proteintech@ptglab.com
Emergency telephone number:
312-455-8498

2. HAZARDOUS IDENTIFICATION:

OSHA Hazards

This product contains a component classified as hazardous under OSHA regulations.

This product is classified as hazardous according to the Globally Harmonized System (GHS).

HMIS Classification		NFPA Rating	
Health Hazard:	0	Health Hazard:	0
Flammability:	0	Fire:	0
Physical Hazards:	0	Reactivity Hazard:	0

Potential Health Effects	
Inhalation	May be harmful if inhaled. May cause respiratory tract irritation
Skin	May cause skin irritation
Eyes	May cause eye irritation
Ingestion	May be harmful if swallowed

3. INGREDIENT COMPOSITION/INFORMATION:

Aqueous liquid solution containing a mixture of the substances listed below with nonhazardous additions.

Contains ammonium chloride (CAS No. 12125029) < 9%

4. FIRST AID MEASURES:

General Advice	Consult a physician. Show this Safety Data Sheet to the doctor in attendance.
Skin Contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention if symptoms occur. If symptoms persist, consult a physician.
Eye Contact	Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. Get medical attention if symptoms occur.
Ingestion	Rinse mouth with water. Get medical attention if symptoms occur.

5. FIRE FIGHTING MEASURES:

Conditions of flammability: Not flammable or combustible.
Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.
Special protective equipment for firefighters: Wear self-contained breathing apparatus and protective clothing for firefighting.
Hazardous combustion products

6. ACCIDENTAL RELEASE MEASURES:

Personal precautions: Not required.
Environmental precautions: Avoid releasing a significant amount into the environment.
Methods and materials for containment and cleaning up: Use a damp mop or sponge to clean up spill and surrounding area. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE:

Conditions for safe storage

Keep container tightly closed in a dry and well-ventilated place. Avoid contact with eyes, skin, and clothing. Recommended storage temperature: 2 - 8 °C

8. EXPOSURE CONTROLS/PPE:

Components that require monitoring: 12125029 ammonium chloride
REL Short term value: 20mg/m
Long term value: 10mg/m
TLV Short term value: 20mg/m
Long term value: 10mg/m

Personal protective equipment

Respiratory protection

Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures

General laboratory hygiene practice including washing thoroughly after handling and washing contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Physical state @ 40C: Liquid
Color: Not available.
Odor: Not available.
Odor threshold pH: Not available.
Melting point: Not available.
Boiling point: Not available.
Flash point: Not available.
Burning time: Not applicable.

Burning rate: Not applicable
Evaporation rate: Not available.
Flammability (solid, gas): Not available.
Lower and upper explosive (flammable) limits: Not available.
Vapor pressure: Not available.
Vapor density: Not available.
Relative density: Not available.
Solubility: Soluble in water or aqueous buffers.
Partition coefficient: Not available.
Auto-ignition temperature: Not available.
Decomposition temperature: Not available.
SADT: Not available.
Viscosity: Not available.

10. STABILITY AND REACTIVITY:

Chemical stability: Stable under normal conditions.
Possibility of hazardous reactions: No data available.
Conditions to avoid: No data available.
Incompatible materials: Strong oxidizing agents.
Hazardous decomposition products

11. TOXICOLOGICAL INFORMATION:

Oral LD₅₀: no data available
Inhalation LC₅₀: no data available
Dermal LD₅₀
Other information on acute toxicity: May cause skin irritation
Skin corrosion/irritation: May cause skin irritation
Serious eye damage/eye irritation: Eyes: May cause eye irritation
Respiratory or skin sensitization: no data available
Germ cell mutagenicity: no data available
Carcinogenicity
IARC: No component 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 component 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 identified as a carcinogen or potential carcinogen by OSHA.
Reproductive toxicity: no data available
Teratogenicity: no data available
Specific target organ toxicity - single exposure (Globally Harmonized System): no data available
Specific target organ toxicity - repeated exposure (Globally Harmonized System): no data available
Aspiration hazard: no data available

Potential health effects

Inhalation: May be harmful if inhaled. Causes respiratory tract irritation.
Ingestion: May be harmful if swallowed.
Skin: May be harmful if absorbed through skin. May cause skin irritation.
Eyes: Causes eye irritation.
Signs and Symptoms of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic effects: no data available
Additional Information: RTECS: Not available

12. ECOLOGICAL INFORMATION:

Data not yet available.

13. DISPOSAL CONSIDERATIONS:

Offer surplus and nonrecyclable solutions to a licensed disposal company. Dispose of product in accordance with federal, state, and local regulations.
Contaminated packaging
Dispose of product in accordance with federal, state, and local regulations.

14. TRANSPORT INFORMATION:

Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION:

OSHA Hazards: No known OSHA hazards, or the concentration of all chemical constituents are below the regulatory threshold limits.

SARA 302

Ammonium Chloride	CAS 12125-02-9
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SARA 313:

Ammonium Chloride	CAS 12125-02-9
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SARA 311/312:

No SARA Hazards

Reportable Quantity

Lowest RQ > 999999 lbs
Lowest RQ > 999999 lbs

Massachusetts Right To Know Components

Ammonium Chloride	CAS 12125-02-9
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Pennsylvania Right To Know Components

Water	7732-18-5
Ammonium Chloride	CAS 12125-02-9

New Jersey Right To Know Components

Water	7732-18-5
Ammonium Chloride	CAS 12125-02-9

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. OTHER INFORMATION:

Reason for revision: Initial release of SDS

Revision number: 0

Revision: 07/15/2021

The above information is believed to be correct but should only be used as a guide for experienced personnel. Proteintech Group Inc. will not be liable for any damage resulting from the handling of or from contact with the above product. This SDS does not purport to be all-inclusive.

For lab use only, not for diagnostic or therapeutic work.