

Safety Data Sheet

RBC Lysis Buffer

Cat#: orb1214911

1. PRODUCT IDENTIFICATION

Product name: RBC Lysis Buffer

Product Number: orb1214911

2. HAZARDS IDENTIFICATION

Emergency Overview

OSHA Hazards

This product contains a component classified as hazardous under OSHA regulations, or the concentration of all chemical constituents is below the regulatory threshold limits.

This product is not classified according to the Globally Harmonized System (GHS).

HMIS Classification

Health hazard: 0

Flammability: 0

Physical hazards: 0

NFPA Rating

Health hazard: 0

Fire: 0

Reactivity Hazard: 0

Potential Health Effects

Inhalation May be harmful if inhaled. May cause respiratory tract irritation.

Skin May be harmful if absorbed through skin. May cause skin irritation.

Eyes May cause eye irritation.

Ingestion May be harmful if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

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

Contains ammonium chloride (CAS No. 12125-02-9) < 9%

4. FIRST AID MEASURES

If inhaled

If breathed in, move person into fresh air and consult a physician. If not breathing, give artificial respiration. If breathing is difficult give oxygen and consult a physician.

In case of skin contact

Wash off immediately with soap and plenty of water, remove any contaminated clothing and consult a physician.

In case of eye contact

Flush eyes with water for at least 15 minutes and consult a physician.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water and consult a physician immediately.

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 for firefighting if necessary.

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/PERSONAL PROTECTION

Components that require monitoring: 12125-02-9 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 industrial hygiene practice includes washing thoroughly after handling and washing contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form: liquid

Color: no data available

Safety data

pH: no data available
Melting point/freezing point: no data available
Boiling point: no data available
Flash point: no data available
Ignition temperature: no data available
Autoignition temperature: no data available
Lower explosion limit: no data available
Upper explosion limit: no data available
Vapor pressure: no data available
Density: no data available
Water solubility: no data available
Partition coefficient: n-octanol/water no data available
Relative vapor density: no data available
Odor: no data available
Odor Threshold: no data available
Evaporation rate: no data available

10. STABILITY AND REACTIVITY

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

No data available

Conditions to avoid

no data available

Materials to avoid

Strong oxidizing agents.

Hazardous decomposition products

Other decomposition products - no data available.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Oral LD50

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

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. May cause respiratory tract irritation.

Ingestion May be harmful if swallowed.

Skin May cause skin irritation.

Eyes May cause 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

Toxicity

no data available

Persistence and degradability

no data available

Bioaccumulative potential

no data available

Mobility in soil

no data available

PBT and vPvB assessment

no data available

Other adverse effects

no data available

13. DISPOSAL CONSIDERATIONS

Product

Offer surplus and non-recyclable 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

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

15. REGULATORY INFORMATION

OSHA Hazards

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

SARA 302 Components

The following components are subject to reporting levels established by SARA Title III, Section 302: Ammonium chloride, CAS No.: 12125-02-9, Revision Date: 2007-07-01

SARA 313 Components

Ammonium chloride, CAS No.: 12125-02-9, Revision Date: 2007-07-01

SARA 311/312 Hazards

No SARA Hazards

Reportable Quantity

lowest RQ > 999999 lbs

lowest RQ > 999999 lbs

Massachusetts Right to Know Components

Ammonium chloride, CAS No.: 12125-02-9, Revision Date: 2007-07-01

Pennsylvania Right to Know Components

Water CAS No.: 7732-18-5

Ammonium chloride, CAS No.: 12125-02-9, Revision Date: 2007-07-01

New Jersey Right to Know Components

Water CAS No.: 7732-18-5

Ammonium chloride, CAS No.: 12125-02-9, Revision Date: 2007-07-01

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

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the property of the product. We shall not be held liable for any damage resulting from handling or from contact with the above product.