

SECTION 1: Product and Company Identification

Identification of the substance or mixture

Product Name: RBC Lysis Buffer (10X)
Catalog #: 10403, 10403-1 and 10403-2

Company Identification

Cepharm Life Sciences Inc.
11830 W Market Place, Suite K
Fulton, MD 20759
USA
Toll Free: 1-800-257-1565
Phone: 410-636-4954

24-hour Emergency Response for Hazardous Materials [or Dangerous Goods] Incident, Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Toll Free: 1-800-424-9300/ +1 703-527-3887 CCN 1010970

For Research Use Only. Not for use in diagnostic procedures.

SECTION 2: Hazards identification

GHS Classification

Not classified

GHS-US labeling

No labelling applicable.

Other hazards

No additional information available.

Unknown acute toxicity (GHS US)

No additional information available.

SECTION 3: Composition / Information on Ingredients

Substance Not applicable.

Mixture None by OSHA HazCom 2012 criteria.

SECTION 4: First Aid Measures

Description of first aid measures

First-aid measures after inhalation:	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
First-aid measures after skin contact:	If irritation occurs, flush skin with plenty of water. Get medical attention if irritation persists.
First-aid measures after eye contact:	In case of contact, immediately flush eyes with plenty of water. Remove contact lenses, if worn. If irritation persists, get medical attention.
First-aid measures after ingestion:	If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation:	May cause respiratory tract irritation.
Symptoms/injuries after skin contact:	May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.

Symptoms/injuries after eye contact: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Symptoms/injuries after ingestion: May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

Indication of any immediate medical attention and special treatment needed

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

SECTION 5: Firefighting Measures

Extinguishing media

Suitable extinguishing media: Treat for surrounding material.
Unsuitable extinguishing media: None known.

Special hazards arising from the substance or mixture

Fire hazard: Products of combustion may include, and are not limited to: oxides of carbon.

Advice for firefighters

Protection during firefighting: Keep upwind of fire. Wear full firefighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

SECTION 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

General measures: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Methods and material for containment and cleaning up

For containment: Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for cleaning up: Scoop up material and place in a disposal container.

Reference to other sections

See section 8 for further information on protective clothing and equipment and section 13 for advice on waste disposal.

SECTION 7: Handling & Storage

Precautions for safe handling

Precautions for safe handling: Avoid contact with skin and eyes. Avoid breathing vapor or mist. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke.

Hygiene measures: Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

Conditions for safe storage, including any incompatibilities

Storage conditions: Keep container tightly closed.

Specific end use(s)

Not available

SECTION 8: Exposure Controls / Personal Protection

Control parameters

No additional information available.

Exposure controls

Appropriate engineering controls: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

Hand protection: Wear suitable gloves.

Eye protection: Safety glasses or goggles are recommended when handling product.

Skin and body protection: Wear suitable protective clothing.

Respiratory protection: Not normally needed. In case of insufficient ventilation, wear suitable respiratory equipment.

Environmental exposure controls: Maintain levels below Community environmental protection thresholds.

Other information: Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

SECTION 9: Physical and Chemical Properties

Information on basic physical and chemical properties

a) Appearance: Form: liquid
b) Odor: No data available

c) Odor Threshold	No data available
d) pH	No data available
e) Melting point/freezing point	No data available
f) Initial boiling point and boiling range	No data available
g) Flash point	No data available
h) Evaporation rate	No data available
i) Flammability (solid, gas)	No data available
j) Upper/lower flammability or explosive limits	No data available
k) Vapour pressure	No data available
l) Vapour density	No data available
m) Relative density	No data available
n) Water solubility	No data available
o) Partition coefficient: n-octanol/water	No data available
p) Auto-ignition temperature	No data available
q) Decomposition temperature	No data available
r) Viscosity	No data available
s) Explosive properties	No data available
t) Oxidizing properties	No data available

Other safety information
no data available

SECTION 10: Stability & Reactivity

Reactivity

No dangerous reaction known under conditions of normal use.

Chemical stability

Stable under normal storage conditions.

Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

Conditions to avoid

Heat.

Incompatible materials

None known.

Hazardous decomposition products

May include, and are not limited to: oxides of carbon.

SECTION 11: Toxicological Information

Information on toxicological effects

Acute toxicity: Not classified.

RBC Lysis Buffer (10X)	
LD50 oral rat	-
LD50 dermal rabbit	-
LC50 inhalation rat	-

Skin corrosion/irritation:	Based on available data, the classification criteria are not met.
Serious eye damage/irritation:	Based on available data, the classification criteria are not met.
Respiratory or skin sensitization:	Based on available data, the classification criteria are not met.
Germ cell mutagenicity:	Based on available data, the classification criteria are not met.
Carcinogenicity:	Based on available data, the classification criteria are not met.
Reproductive toxicity:	Based on available data, the classification criteria are not met.
Specific target organ toxicity (single exposure):	Based on available data, the classification criteria are not met.
Specific target organ toxicity (repeated exposure):	Based on available data, the classification criteria are not met.
Aspiration hazard:	Based on available data, the classification criteria are not met.
Symptoms/injuries after inhalation:	May cause respiratory tract irritation.
Symptoms/injuries after skin contact:	May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.
Symptoms/injuries after eye contact:	May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
Symptoms/injuries after ingestion:	May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

SECTION 12: Ecological Information

Toxicity

Ecology - general:

This product is not expected to produce significant ecotoxicity upon exposure to aquatic organisms and aquatic systems.

Persistence and degradability

RBC Lysis Buffer (10x)	
Persistence and degradability	Not established.

Bioaccumulative potential

RBC Lysis Buffer (10x)	
Bioaccumulative potential	Not established.

Mobility in soil

No additional information available.

Other adverse effects

Effect on the global warming: No known ecological damage caused by this product.

SECTION 13: Disposal Considerations

Waste treatment methods

Waste disposal recommendations:

This material must be disposed of in accordance with all local, state, provincial, and federal regulations. The generation of waste should be avoided or minimized wherever possible.

SECTION 14: Transport Information

Department of Transportation (DOT)

In accordance with DOT
Not regulated for transport.

Additional information

Other information:

No supplementary information available.

Special transport precautions:

Do not handle until all safety precautions have been read and understood.

SECTION 15: Regulatory Information

US Federal regulations

No additional information available.

US State regulations

RBC Lysis Buffer (10x)	
State or local regulations	This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

SECTION 16: Other Information

Disclaimer:

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 does not represent any guarantee of the properties of the product. Cepham Life Sciences Incorporated and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.