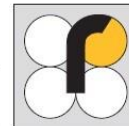


SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006
Version 02 Revision date: 15-03-2023
Print date: 15-3-2023

r-biopharm®



1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name	Extraction buffer
Product code	5191TTXSES

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses	Laboratory use
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1.3. Details of the supplier of the safety data sheet

Company	EuroProxima BV Beijerinckweg 18 6827 BN Arnhem Netherlands
Telephone	+31 (0)26-363-0364
Fax	+31 (0)26-364-5111
E-mail address	info@r-biopharm.nl

1.4. Emergency telephone number

Emergency phone #	Please look for the emergency telephone number in your country before using this substance or mixture.
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2. Hazards identification

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No 1272/2008)

Skin corrosion (Category 2), H315
Serious eye damage (Category 2), H319

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2. Label elements

Labelling (Regulation (EC) No 1272/2008)

Pictogram



Signal Word	Warning
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Hazard statement(s)

H315	Causes skin irritation
H319	Causes serious eye irritation

Precautionary statement(s)

P264	Wash hands thoroughly after handling
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.

P302 + P352	IF ON SKIN (or hair): Wash with soap and water
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.


Supplemental Hazard Statements	None
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2.3. Other hazards

Not applicable.

3. Composition/information on ingredients

3.1. Dangerous ingredients

Chemical name	EC-No	CAS-No	Weight (%)	Classification (1272/2008/EC)	
Acetic Acid	200-580-7	64-19-7	<3	Iam. Liq. 3; Skin Corr. 1A; Eye Dam. 1; H226, H314, H318 Concentration limits: >= 90 %: Skin Corr. 1A, H314; 25 - < 90 %: Skin Corr. 1B, H314; 10 - < 25 %: Skin Irrit. 2, H315; 10 - < 25 %: Eye Irrit. 2, H319; 10 - < 25 %: Eye Irrit. 2, H319; 10 - < 25 %: Skin Irrit. 2, H315; 25 - < 90 %: Skin Corr. 1B, H314; >= 90 %: Skin Corr. 1A, H314; >= 90 %: 3, H226;	

For the full text of the H-Statements mentioned in this Section, see Section 16.

For more detailed information on health effects and symptoms, see Section 11.

4. First aid measures

4.1. Description of first aid measures

General advice	First aider needs to protect himself. Consult a physician. Show this safety data sheet to the doctor in attendance.
Eye contact	Rinse out with plenty of water. Immediately call in ophthalmologist.
Skin contact	Wash off with plenty of water. Remove contaminated clothing. If available swab with polyethylene glycol 400. Call a physician immediately.
Ingestion	Rinse mouth with water. Do NOT induce vomiting. If conscious, give 2 glasses of water. Do not attempt to neutralize. Get immediate medical attention.
Inhalation	Move person into fresh air. If not breathing, give artificial respiration. Immediately call in a physician.

4.2. Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11.

4.3. Indication of any immediate medical attention and special treatment needed

Notes to physician	Treat symptomatically.
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5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Use water, CO₂, dry chemical or foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Extinguishing media which must not be used for safety reasons

None known based on information supplied.

5.2. Special hazards arising from the substance or mixture

None known.

5.3. Advise for firefighters

Wear self-contained breathing apparatus and protective suit

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel: Avoid substance contact. Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection see section 8.

6.2. Environmental precautions

Do not let product enter drains.

6.3. Methods and materials for containment and cleaning up

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up with liquid-absorbent and neutralizing material (e.g. sand, silica gel, acid-binder, universal binder, sawdust). Dispose of properly. Clean up affected area.

6.4. Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7. Handling and storage

7.1. Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice.
For precautions see section 2.2.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

Store at 2°C to 8°C (36°F to 46°F).

7.3. Specific end uses

No data available.

8. Exposure controls/personal protection

8.1. Control parameters

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

8.2. Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

Tightly fitting safety glasses

Skin/body protection

Acid resistant protective clothing

Hand protection

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the related standard EN374.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the substance/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has to be checked prior to the application.

Penetration time:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Respiratory protection

Required when vapours/aerosols are generated.

Recommended filter type: Filter P 2 (acc. to DIN 3181) for solid and liquid particles of harmful substances.

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

Hygiene measures

Immediately change contaminated clothing and immerse in water. Apply preventive skin protection. Wash hands after working with substance. Do not inhale substance.

Environmental Exposure controls

Do not let product enter drains.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Form: liquid
Color	Colorless
Odor	Odorless
Odor threshold	no data available
pH	no data available
Melting point/ freezing point	no data available
Initial boiling point/ boiling range	no data available
Flash point	not applicable
Evaporation rate	no data available
Flammability (solid, gas)	not applicable
Flammability limits in air	no data available
Vapor pressure	no data available
Relative density	no data available
Water solubility	Fully miscible
Partition coefficient: n-octanol/water	no data available

Autoignition temperature	Product is not self igniting
Decomposition temperature	no data available
Viscosity	no data available
Explosive properties	no data available
Oxidizing properties	no data available

9.2. Other safety information

No data available.

10. Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Heating can release hazardous gases.

10.5. Incompatible materials

Animal/vegetable tissues, Metals, Contact with metals liberates hydrogen gas.

10.6. Hazardous decomposition products

In the event of fire: See chapter 5.

11. Toxicological information

11.1. Information on toxicological effects

Acute toxicity

No data available.

Skin corrosion/irritation

Mixtures can cause skin irritation.

Serious eye damage/irritation

Mixture can cause eye irritation.

Respiratory or skin sensitization

No data available.

Germ cell mutagenicity

No data available.

Carcinogenicity

Contains no ingredient listed as a carcinogen

Reproductive toxicity

No data available.

Specific target organ toxicity – single exposure

No data available.

Specific target organ toxicity – repeated exposure

No data available.

Aspiration hazard

No data available.

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. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

13. Disposal considerations

13.1. Waste treatment methods

Waste from residues / unused products

Dispose of as hazardous waste in compliance with local and national regulations.

Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

14.1. UN/ID No

ADR/RID: -

IMDG: -

IATA: -

14.2. UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

14.3. Transport hazard class

ADR/RID: -

IMDG: -

IATA: -

14.4. Packaging group

ADR/RID: -

IMDG: -

IATA: -

14.5. Environmental hazards

ADR/RID: -

IMDG Marine pollutant: -

IATA: -

14.6. Special precautions for user

Not applicable.

15. Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.1. Safety, health and environmental regulations/legislation specific for the substance

No information available.

15.2. Chemical safety assessment

No information available.

16. Other information

Full text of H-statements referred to under Sections 2 and 3

H226 Flammable liquid and vapor.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Flammable liquid and vapor.

H319 Causes severe skin burns and eye damage.

Revision note: New format

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer

The information provided in this safety data sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.
