

SAFETY DATA SHEET

Safety Data Sheet according to (EC) No. 1907/2006.

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

Identification of the substance or preparation:

Solution 10 - Lysis buffer

Use of the substance/preparation:

Aqueous preparation for research and analysis.

Company/undertaking identification:

ChemoMetec A/S

Gydevang 43 Phone.: (+45) - 48 13 10 20

DK - 3450 Alleroed Fax: (+45) - 48 13 10 21

Denmark e-mail: contact@chemometec.com

Emergency telephone Denmark:

(+45) - 48 13 10 20

Responsible for Safety Data Sheet (e-mail):

Peter Waksman, ALTox a/s (pw@altox.dk)

2. Hazards identification

ALTox a/s has concluded that the preparation is not to be classified.

Classification:

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3. Composition/Information on ingredients

Contents: Citrate buffered saline and various active ingredients below classification limit

% w/w	Name	CAS-no.	EINECS/ELINCS	Classification
<5	Citric acid monohydrate	5949-29-1	201-069-1	Xi;R36
<2.5	Triton X-100 (= Octylphenol ethoxylate)	9002-93-1	-	Xn;R22 Xi;R41 N;R51/53

Wording of R-phrases - see section 16.

4. First aid measures

Inhalation:

Move the affected person to fresh air. Keep at rest. If needed: Get medical attention.

Skin contact:

Remove contaminated clothing and wash skin with water and mild soap. If irritation persists: Seek medical advice.

Eye contact:

Flush with water or physiological salt water for at least 5 minutes. If irritation persists: Seek medical advice.

Ingestion:

Rinse mouth and drink plenty of water. In case of discomfort: Seek medical advice.

Information:

Show this Safety Data Sheet to a physician or emergency ward.

5. Fire-fighting measures

Precautions against fire:

Not flammable.

Suitable extinguishing media:

Not relevant.

Hazardous combustion or decomposition products:

Not relevant.

Protective equipment:

Not relevant.

6. Accidental release measures

Personal precautions:

Use personal protective equipment - see section 8.

Environmental precautions:

Do not empty into drains - see section 12. Inform appropriate authorities in accordance with local regulations.

Methods for cleaning up:

Take up with wet paper. Clean with water. Further handling of spillage - see section 13.

7. Handling and storage

Safe storage:

Store in an airtight container at a temperature between 2-7°C.

Specific use(s):

See section 1.

8. Exposure controls/personal protection

Engineering measures (prevention of worker exposure):

Provide adequate ventilation. Avoid contact with skin, eyes and clothing. Wash with plenty of water and soap after end use.

Exposure limits (Denmark):

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Personal protective equipment:**Respiratory protection:**

Normally not necessary

Skin protection:

Wear protective gloves of nitril or butyl rubber. Breakthrough time: Approximately 3 hours.

Eye protection:

Wear safety goggles when risk of eye contact.

Environmental exposure controls:

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9. Physical and chemical properties

Appearance:	Colorless liquid
Odour:	Odourless
pH:	2.0 – 3.0
Boiling point (°C):	~ 100
Melting point (°C):	~ 0
Solubility in water (mg/ml):	Completely miscible
Specific density (g/cm³) 20°C:	~ 1.0

10. Stability and reactivity

Stability:

Stable under the recommended storage conditions (see section 7).

Conditions to avoid:

Excessive heating

Materials to avoid:

-

Hazardous decomposition products:

When heated to high temperatures (decomposition) it emits toxic fumes.

11. Toxicological information

Routes of exposure:

Skin, lungs and gastrointestinal tract.

Acute toxicity:**Inhalation:**

Vapours may cause slight irritation to the airways.

Skin:

May causes slight irritation.

Eyes:

May causes slight irritation.

Ingestion:

Ingestion may irritate the mouth, throat and stomach.

Long term toxicity:

-

12. Ecological information

Ecotoxicity:

Octylphenol ethoxylate is toxic to aquatic organisms. LC₅₀ (fish, 96h) = 4.5 mg/l.

Mobility:

Completely miscible with water and will spread quickly in the aquatic environment.

Persistence and degradability:

Biological degradation of Octylphenol ethoxylate may form Octylphenol which is toxic and not readily degradable.

Bioaccumulative potential:

Octylphenol ethoxylate: Log K_{ow} = 4.86 – possible significant bioaccumulation.

Other adverse effects:

Octylphenol ethoxylate is included on the Danish Environmental Agency list of undesirable substances, because of the oestrogenic effect of its degradation compounds.

13. Disposal considerations

Disposal should be according to local, state or national legislation. Dispose of through authority facilities or pass to chemical disposal company.

EWC-Code:

16 05 09

15 02 03 (absorbents, filter materials, wiping cloths, protective clothing contaminated by dangerous substances)

14. Transport information

Not dangerous goods.

15. Regulatory information

EC-no.: -

Danger symbol: -

Content: -

Risk- and Safety-phrases:

ALTox a/s has the 02 March 2010 concluded, that the preparation is not to be classified.

Safety data sheet available for professional user on request.

Restriction on application:

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16. Other information

R-phrases mentioned in section 2 & 3:

R 22: Harmful if swallowed.

R 36: Irritating to eyes.

R 41: Risk of serious damage to eyes.

R 51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Special training:

No special training is required. However, the user should be well instructed in the execution of his task and be familiar with this safety data sheet.

Other information:

The Safety Data Sheet is prepared according to REACH regulation (EC) No. 1907/2006.

Edition No.:

1

Date (revision):

02 March 2010

Changes in section(s):

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Prepared by: ALTox a/s – Tonsbakken 16-18 – DK-2740 Skovlunde - Tel. +45 - 38 34 77 98 - Fax: +45 - 38 34 77 99 / PW - Quality control: SNS