

Trade name: Lysercell WNR

Current version : 2.0.2, issued: 16.06.2015

Replaced version: 2.0.1, issued: 09.06.2015

Region: GB

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name

Lysercell WNR

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

Relevant identified uses of the substance or mixture

For in-vitro diagnosis

Uses advised against

No data available.

1.3 Details of the supplier of the safety data sheet

Address

SYSTEMX LTD

Sysmex House

Garamonde Drive

Wymbush

Milton Keynes

Buckinghamshire

United Kingdom

MK8 8DF

Telephone no. +44 (0)870 902 9210

Fax no. +44 (0)870 902 9211

Advice on Safety Data Sheet

safety@sysmex.de

1.4 Emergency telephone number

For medical advice (in German and English):

+49 (0)551 192 40 (Giftinformationszentrum Nord)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification information

This product does not meet the classification and labelling criteria given in the Regulation (EC) No 1272/2008 (CLP).

2.2 Label elements

Not relevant

2.3 Other hazards

PBT assessment

No data available.

vPvB assessment

No data available.

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SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable. The product is not a substance.

3.2 Mixtures

Hazardous ingredients

| No | Substance name | Additional information | |
|----|--|---|--------------------------|
| | CAS / EC / Index / REACH no | Classification (EC) 1272/2008 (CLP) | Concentration % |
| 1 | dodecyltrimethylammonium-chloride | | |
| | 112-00-5 203-927-0 - - | Acute Tox. 3; H301 Skin Corr. 1B; H314 Eye Dam. 1; H318 | < 0.50 %-b.w. |

Full Text for all H-phrases and EUH-phrases: pls. see section 16

3.3 Other information

Organic quaternary ammonium salt: CAS 112-00-5

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

In case of persisting adverse effects, consult a physician. Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing.

After inhalation

Remove affected person from the immediate area. Ensure supply of fresh air.

After skin contact

Wash off immediately with soap and water.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.).

After ingestion

Call a doctor immediately. Do not induce vomiting. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water spray jet

Unsuitable extinguishing media

High power water jet

5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon dioxide (CO₂); Carbon monoxide (CO); Nitrogen oxides (NO_x); chlorine compounds

5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing.

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Refer to protective measures listed in sections 7 and 8. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Do not inhale vapours.

For emergency responders

No data available. Personal protective equipment (PPE) - see Section 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

6.3 Methods and material for containment and cleaning up

Take up with absorbent material (e.g., sand, kieselguhr, universal binder). When picked up, treat material as prescribed under heading "Disposal considerations".

6.4 Reference to other sections

No data available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Product inherent handling risks must be minimised taking the appropriate measures for protection and preventive actions. The working process should be designed to rule out the release of hazardous substances or skin contact as far as possible by the state of the art.

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from food, drink and animal feeding stuffs. Wash hands and skin before breaks and after work. Do not inhale vapours. Avoid contact with eyes and skin. Remove soiled or soaked clothing immediately.

Advice on protection against fire and explosion

No special measures necessary.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed in a cool, well-ventilated place.

Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage.

Advice on storage assembly

Do not store together with: Oxidizing agents

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

No parameters available for monitoring.

8.2 Exposure controls

Appropriate engineering controls

No data available.

Personal protective equipment

Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Eye / face protection

Safety glasses (EN 166)

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Hand protection

In case of intensive contact, wear protective gloves (EN 374). Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Other

Normal chemical work clothing.

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | | | |
|--------------------------------------|-------|-----|----|
| Form/Colour | | | |
| liquid, clear | | | |
| Odour | | | |
| odourless | | | |
| Odour threshold | | | |
| No data available | | | |
| pH value | | | |
| Value | | 3 | |
| Boiling point / boiling range | | | |
| Value | appr. | 100 | °C |

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| | |
|--|----------|
| Melting point / melting range | |
| No data available | |
| Decomposition point / decomposition range | |
| No data available | |
| Flash point | |
| No data available | |
| Auto-ignition temperature | |
| No data available | |
| Oxidising properties | |
| No data available | |
| Explosive properties | |
| No data available | |
| Flammability (solid, gas) | |
| No data available | |
| Lower flammability or explosive limits | |
| No data available | |
| Upper flammability or explosive limits | |
| No data available | |
| Vapour pressure | |
| No data available | |
| Vapour density | |
| No data available | |
| Evaporation rate | |
| No data available | |
| Relative density | |
| Value | 0.998 |
| Reference temperature | 20 °C |
| Density | |
| No data available | |
| Solubility in water | |
| Remarks | miscible |
| Solubility(ies) | |
| No data available | |
| Partition coefficient: n-octanol/water | |
| No data available | |
| Viscosity | |
| No data available | |

9.2 Other information

| |
|--------------------------|
| Other information |
| No data available. |

SECTION 10: Stability and reactivity

10.1 Reactivity

Dangerous reactions are not expected if the product is handled according to its intended use.

10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

10.3 Possibility of hazardous reactions

None, if handled according to order.

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10.4 Conditions to avoid

None, if handled according to intended use.

10.5 Incompatible materials

Oxidizing agents

10.6 Hazardous decomposition products

None, if handled according to intended use.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity (result of the ATE calculation for the mixture)

| No | Product Name |
|---------|---|
| 1 | Lysercell WNR |
| Remarks | The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE oral > 2000 mg/kg). |

Acute oral toxicity

| No | Substance name | CAS no. | EC no. |
|---------|-----------------------------------|----------|----------------------|
| 1 | dodecyltrimethylammonium-chloride | 112-00-5 | 203-927-0 |
| LD50 | 250 | - | 300 mg/kg bodyweight |
| Species | rat | | |
| Source | Supplier | | |

Acute dermal toxicity

No data available

Acute inhalational toxicity

No data available

Skin corrosion/irritation

No data available

Serious eye damage/irritation

No data available

Respiratory or skin sensitisation

No data available

Germ cell mutagenicity

| No | Substance name | CAS no. | EC no. |
|---------------------------|---|----------|-----------|
| 1 | dodecyltrimethylammonium-chloride | 112-00-5 | 203-927-0 |
| Type of examination | Ames-Test | | |
| Source | Supplier | | |
| Evaluation/classification | Based on available data, the classification criteria are not met. | | |

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| |
|---|
| Reproduction toxicity |
| No data available |
| Carcinogenicity |
| No data available |
| STOT-single exposure |
| No data available |
| STOT-repeated exposure |
| No data available |
| Aspiration hazard |
| No data available |
| Delayed and immediate effects as well as chronic effects from short and long-term exposure |
| Inhalation of the vapours causes irritation of the respiratory tract and mucous membrane, headaches, nausea, giddiners, vomiting. Eye contact with the product may lead to irritation. Frequent persistent contact with the skin can cause skin irritation. |

SECTION 12: Ecological information

12.1 Toxicity

| |
|--------------------------------------|
| Toxicity to fish (acute) |
| No data available |
| Toxicity to fish (chronic) |
| No data available |
| Toxicity to Daphnia (acute) |
| No data available |
| Toxicity to Daphnia (chronic) |
| No data available |
| Toxicity to algae (acute) |
| No data available |
| Toxicity to algae (chronic) |
| No data available |
| Bacteria 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

| | |
|---|--------------------|
| Results of PBT and vPvB assessment | |
| PBT assessment | No data available. |
| vPvB assessment | No data available. |

12.6 Other adverse effects

No data available.

12.7 Other information

| |
|--|
| Other information |
| Do not discharge product unmonitored into the environment. |

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

SECTION 14: Transport information

14.1 Transport ADR/RID/ADN

The product is not subject to ADR/RID/ADN regulations.

14.2 Transport IMDG

The product is not subject to IMDG regulations.

14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

14.4 Other information

No data available.

14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

14.6 Special precautions for user

No data available.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant

SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorisation

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, PREPARATIONS AND ARTICLES

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

This product is not subject to Part 1 or 2 of Annex I.

15.2 Chemical safety assessment

No data available.

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SECTION 16: Other information

Sources of key data used to compile the data sheet:

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EU

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

H301 Toxic if swallowed.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

Department issuing safety data sheet

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