

**ADMR204 - LYSONOX BIOWIPES ACTIVE**

## Safety Data Sheet

According to Annex II to REACH - Regulation 2020/878 and to Annex II to UK REACH

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

**1.1. Product identifier**

Code: **ADMR204**  
 Product name: **LYSONOX BIOWIPES ACTIVE**

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

Intended use: **Disinfectant wipes for medical devices**

| Identified Uses   | Industrial | Professional | Consumer |
|-------------------|------------|--------------|----------|
| Consumers         | -          | -            | ✓        |
| Professional uses | -          | ✓            | -        |

**Uses Advised Against**

Do not use for uses other than those indicated

**1.3. Details of the supplier of the safety data sheet**

Name: **ADRANOX SRL**  
 Full address: **Via Imre Nagy, 46**  
 District and Country: **46100 Mantova (MN)**  
**Italy**  
**Headquarters: Via Primo Maggio 29 – 46051 San Giorgio Bigarello (MN)**  
**Tel. +39 0376 405362**  
**Fax +39 0376 446392**

e-mail address of the competent person responsible for the Safety Data Sheet: **adranox@adranox.com**

**1.4. Emergency telephone number**

For urgent inquiries refer to: **National Poisons Information Centre**  
**Beaumont Hospital, Beaumont, Dublin 9., Ireland**  
**chemicalsinfo (at) beaumont.ie**  
**https://www.poisons.ie/**

### SECTION 2. Hazards identification

**2.1. Classification of the substance or mixture**

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2020/878. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

**Hazard classification and indication:**

|  |      |  |
|--|------|--|
| Eye irritation, category 2   | H319 | Causes serious eye irritation.                     |
| Hazardous to the aquatic environment, chronic toxicity, category 3 | H412 | Harmful to aquatic life with long lasting effects. |

**ADMR204 - LYSONOX BIOWIPES ACTIVE**
**2.2. Label elements**

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:



Signal words:                      Warning

Hazard statements:

**H319**                      Causes serious eye irritation.  
**H412**                      Harmful to aquatic life with long lasting effects.

Precautionary statements:

**P280**                      Wear eye protection / face protection.  
**P337+P313**              If eye irritation persists: Get medical advice / attention.  
**P273**                      Avoid release to the environment.

**2.3. Other hazards**


On the basis of available data, the product does not contain any PBT or vPvB in percentage  $\geq$  than 0,1%.

The product does not contain substances with endocrine disrupting properties in concentration  $\geq$  0.1%.

**SECTION 3. Composition/information on ingredients**
**3.2. Mixtures**

Contains:

| Identification                          | x = Conc. %      | Classification (EC) 1272/2008 (CLP)  |
|---|------------------|--|
| <b>ETHANOL</b>                          |                  |  |
| CAS 64-17-5                             | $10 \leq x < 20$ | Flam. Liq. 2 H225, Eye Irrit. 2 H319   |
| EC 200-578-6                            |                  |  |
| INDEX 603-002-00-5                      |                  |  |
| REACH Reg. 01-2119457610-43-0000        |                  |  |
| <b>cloruro di didecildimetilammonio</b> |                  |  |
| CAS 7173-51-5                           | $0,1 \leq x < 1$ | Acute Tox. 4 H302, Skin Corr. 1 H314, Eye Dam. 1 H318, Aquatic Acute 1 H400 M=10, Aquatic Chronic 2 H411 |

|  |                                   |  |
|--|-----------------------------------|--|
|  | ADRANOX SRL                       | Revision nr. 1   |
|  | ADMR204 - LYSONOX BIOWIPES ACTIVE | Dated 10/02/2022<br>First compilation<br>Printed on 10/02/2022<br>Page n. 3/17 |

EC 230-525-2

STA Oral: 500 mg/kg

INDEX 612-131-00-6

REACH Reg. 01-2119945987-XXXX

**Clorexidina digluconato**

CAS 18472-51-0

$0,1 \leq x < 1$

Eye Dam. 1 H318, Aquatic Acute 1 H400 M=10, Aquatic Chronic 1 H410 M=1

EC 242-354-0

INDEX -

REACH Reg. 01-2119946568-22-0000

The full wording of hazard (H) phrases is given in section 16 of the sheet.

## SECTION 4. First aid measures

### 4.1. Description of first aid measures

No episodes of harm to the staff authorised to use the product have been reported. The following general measures should be adopted as necessary:

INHALATION: Remove to open air. If the subject stops breathing, administer artificial respiration. Get medical advice/attention.

INGESTION: Get medical advice/attention. Induce vomiting only if indicated by the doctor. Do not give anything by mouth to an unconscious person.

EYES and SKIN: Wash with plenty of water. In the event of persistent irritation, get medical advice/attention.

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

Specific information on symptoms and effects caused by the product are unknown.

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

Information not available

## SECTION 5. Firefighting measures

### 5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

Extinguishing substances are: carbon dioxide, foam, chemical powder. For product loss or leakage that has not caught fire, water spray can be used to disperse flammable vapours and protect those trying to stem the leak.

UNSUITABLE EXTINGUISHING EQUIPMENT

Do not use jets of water. Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions.

cloruro di didecildimetilammonio

alcohol resistant foam, dry chemical

Clorexidina digluconato


Do not use a solid stream of water as it may disperse and spread the fire.

### 5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Excess pressure may form in containers exposed to fire at a risk of explosion. Do not breathe combustion products.

Clorexidina digluconato

|  |                                   |  |
|--|-----------------------------------|--|
|  | ADRANOX SRL                       | Revision nr. 1   |
|  | ADMR204 - LYSONOX BIOWIPES ACTIVE | Dated 10/02/2022<br>First compilation<br>Printed on 10/02/2022<br>Page n. 4/17 |

In case of fire, the following can be released: hydrochloric acid, carbon monoxide, carbon dioxide, organic decomposition products. Flammable flameless gases, nitrogen oxides (NOx).

### 5.3. Advice for firefighters

#### GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

#### SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

## SECTION 6. Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

### 6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

### 6.3. Methods and material for containment and cleaning up

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

### 6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

## SECTION 7. Handling and storage


### 7.1. Precautions for safe handling

Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. Without adequate ventilation, vapours may accumulate at ground level and, if ignited, catch fire even at a distance, with the danger of backfire. Avoid bunching of electrostatic charges. When performing transfer operations involving large containers, connect to an earthing system and wear antistatic footwear. Vigorous stirring and flow through the tubes and equipment may cause the formation and accumulation of electrostatic charges. In order to avoid the risk of fires and explosions, never use compressed air when handling. Open containers with caution as they may be pressurised. Do not eat, drink or smoke during use. Avoid leakage of the product into the environment.

### 7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Store in a cool and well ventilated place, keep far away from sources of heat, naked flames and sparks and other sources of ignition. Keep containers away from any incompatible materials, see section 10 for details.

### 7.3. Specific end use(s)

|   |  |  |
|---|--|--|
|  <b>ADRANOX<sup>®</sup></b><br>MEDICAL AND BIOSAFETY TECHNOLOGIES | <b>ADRANOX SRL</b>                       | Revision nr. 1   |
|   | <b>ADMR204 - LYSONOX BIOWIPES ACTIVE</b> | Dated 10/02/2022<br>First compilation<br>Printed on 10/02/2022<br>Page n. 5/17 |

Information not available

## SECTION 8. Exposure controls/personal protection

### 8.1. Control parameters

Regulatory References:

|     |                |   |
|-----|----------------|---|
| DEU | Deutschland    | Technischen Regeln für Gefahrstoffe (TRGS 900) - Liste der Arbeitsplatzgrenzwerte und Kurzzeitwerte. MAK- und BAT-Werte-Liste 2020, Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe, Mitteilung 56 |
| ESP | España         | Límites de exposición profesional para agentes químicos en España 2021  |
| FRA | France         | Valeurs limites d'exposition professionnelle aux agents chimiques en France. ED 984 - INRS  |
| GBR | United Kingdom | EH40/2005 Workplace exposure limits (Fourth Edition 2020)   |
|     | TLV-ACGIH      | ACGIH 2021  |

#### cloruro di didecildimetilammonio

Predicted no-effect concentration - PNEC

|  |         |       |
|--|---------|-------|
| Normal value in fresh water                  | 0,0011  | mg/l  |
| Normal value in marine water                 | 0,00011 | mg/l  |
| Normal value for fresh water sediment        | 61,86   | mg/kg |
| Normal value for marine water sediment       | 6,186   | mg/kg |
| Normal value of STP microorganisms           | 0,14    | mg/l  |
| Normal value for the terrestrial compartment | 1,4     | mg/kg |

#### ETHANOL

##### Threshold Limit Value


| Type      | Country | TWA/8h |      | STEL/15min |      | Remarks /<br>Observations |
|-----------|---------|--------|------|------------|------|---------------------------|
|           |         | mg/m3  | ppm  | mg/m3      | ppm  |                           |
| AGW       | DEU     | 380    | 200  | 1520       | 800  |                           |
| MAK       | DEU     | 380    | 200  | 1520       | 800  |                           |
| VLA       | ESP     |        |      | 1910       | 1000 |                           |
| VLEP      | FRA     | 1900   | 1000 | 9500       | 5000 |                           |
| WEL       | GBR     | 1920   | 1000 |            |      |                           |
| TLV-ACGIH |         |        |      | 1884       | 1000 |                           |

Predicted no-effect concentration - PNEC

|   |      |       |
|---|------|-------|
| Normal value in fresh water                           | 0,96 | mg/l  |
| Normal value in marine water                          | 0,79 | mg/l  |
| Normal value for fresh water sediment                 | 3,6  | mg/kg |
| Normal value for marine water sediment                | 2,9  | mg/kg |
| Normal value of STP microorganisms                    | 580  | mg/l  |
| Normal value for the food chain (secondary poisoning) | 0,72 | g/kg  |
| Normal value for the terrestrial compartment          | 0,63 | mg/kg |

#### Health - Derived no-effect level - DNEL / DMEL

| Route of exposure | Effects on consumers |                |               | Effects on workers |             |       |               |         |
|-------------------|----------------------|----------------|---------------|--------------------|-------------|-------|---------------|---------|
|                   | Acute local          | Acute systemic | Chronic local | Chronic            | Acute local | Acute | Chronic local | Chronic |

|   |  |  |
|---|--|--|
|  <b>ADRANOX<sup>®</sup></b><br>MEDICAL AND BIOSAFETY TECHNOLOGIES | <b>ADRANOX SRL</b>                       | Revision nr. 1   |
|   | <b>ADMR204 - LYSONOX BIOWIPES ACTIVE</b> | Dated 10/02/2022<br>First compilation<br>Printed on 10/02/2022<br>Page n. 6/17 |

|            | systemic          | systemic    | systemic  |
|------------|-------------------|-------------|-----------|
| Oral       | 87 mg/kg<br>bw/d  |             |           |
| Inhalation | 114 mg/m3         | 1900 mg/cm3 | 950 mg/m3 |
| Skin       | 206 mg/kg<br>bw/d |             | 343 mg/kg |

#### Clorexidina digluconato

Predicted no-effect concentration - PNEC

|  |       |       |
|--|-------|-------|
| Normal value in fresh water                  | 0,002 | mg/l  |
| Normal value for fresh water sediment        | 0,433 | mg/kg |
| Normal value for marine water sediment       | 0,043 | mg/kg |
| Normal value of STP microorganisms           | 0,25  | mg/l  |
| Normal value for the terrestrial compartment | 5,26  | mg/kg |

#### Health - Derived no-effect level - DNEL / DMEL

| Route of exposure | Effects on consumers |                |               | Chronic systemic   | Effects on workers |                |               | Chronic systemic   |
|-------------------|----------------------|----------------|---------------|--------------------|--------------------|----------------|---------------|--------------------|
|                   | Acute local          | Acute systemic | Chronic local |                    | Acute local        | Acute systemic | Chronic local |                    |
| Oral              |                      |                |               | 0,03 mg/kg<br>bw/d |                    |                |               |                    |
| Inhalation        |                      |                |               | 0,1 mg/m3          |                    |                |               | 0,42 mg/m3         |
| Skin              |                      |                |               | 0,03 mg/kg<br>bw/d |                    |                |               | 0,06 mg/kg<br>bw/d |

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified.

#### 8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

#### HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

#### SKIN PROTECTION

Wear category I professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

#### EYE PROTECTION

Not required in normal condition of use. On suggest to wear airtight protective goggles (see standard EN 166).

#### RESPIRATORY PROTECTION

Not required in normal condition of use. If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the

**ADMR204 - LYSONOX BIOWIPES ACTIVE**

product, use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

**ENVIRONMENTAL EXPOSURE CONTROLS**

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

**SECTION 9. Physical and chemical properties**
**9.1. Information on basic physical and chemical properties**


| Properties                             | Value              | Information               |
|--|--------------------|---------------------------|
| Appearance                             | liquid             |                           |
| Colour                                 | colourless         |                           |
| Odour                                  | characteristic     |                           |
| Melting point / freezing point         | Not available      |                           |
| Initial boiling point                  | Not available      |                           |
| Flammability                           | Not available      |                           |
| Lower explosive limit                  | Not available      |                           |
| Upper explosive limit                  | Not available      |                           |
| Flash point                            | Not available      |                           |
| Auto-ignition temperature              | Not available      |                           |
| pH                                     | 8-9                | Remark: Soluzione liquida |
| Kinematic viscosity                    | Not available      |                           |
| Solubility                             | Not available      |                           |
| Partition coefficient: n-octanol/water | Not available      |                           |
| Vapour pressure                        | Not available      |                           |
| Density and/or relative density        | 0,965 - 0,985 g/ml |                           |
| Relative vapour density                | Not available      |                           |
| Particle characteristics               | Not applicable     |                           |

**9.2. Other information**
**9.2.1. Information with regard to physical hazard classes**

Information not available

**9.2.2. Other safety characteristics**

Information not available

|  |                                   |  |
|--|-----------------------------------|--|
|  | ADRANOX SRL                       | Revision nr. 1   |
|  | ADMR204 - LYSONOX BIOWIPES ACTIVE | Dated 10/02/2022<br>First compilation<br>Printed on 10/02/2022<br>Page n. 8/17 |

## SECTION 10. Stability and reactivity

### 10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

### 10.2. Chemical stability

The product is stable in normal conditions of use and storage.

### 10.3. Possibility of hazardous reactions

The vapours may also form explosive mixtures with the air.

#### ETHANOL

Risk of explosion on contact with: alkaline metals,alkaline oxides,calcium hypochlorite,sulphur monofluoride,acetic anhydride,acids,concentrated hydrogen peroxide,perchlorates,perchloric acid,perchloronitrile,mercury nitrate,nitric acid,silver,silver nitrate,ammonia,silver oxide,ammonia,strong oxidising agents,nitrogen dioxide.May react dangerously with: bromoacetylene,chlorine acetylene,bromine trifluoride,chromium trioxide,chromyl chloride,fluorine,potassium tert-butoxide,lithium hydride,phosphorus trioxide,black platinum,zirconium (IV) chloride,zirconium (IV) iodide.Forms explosive mixtures with: air.

### 10.4. Conditions to avoid

Avoid overheating. Avoid bunching of electrostatic charges. Avoid all sources of ignition.

cloruro di didecildimetilammonio

Evitare l'esposizione a: calore fiamme libere scintille

#### ETHANOL

Avoid exposure to: high temperatures,ignition sources.

Clorexidina digluconato

Avoid exposure to: light.

### 10.5. Incompatible materials

Clorexidina digluconato

Avoid contact with: oxidising agents,alkalis.

### 10.6. Hazardous decomposition products

In the event of thermal decomposition or fire, gases and vapours that are potentially dangerous to health may be released.

## SECTION 11. Toxicological information



**ADMR204 - LYSONOX BIOWIPES ACTIVE**

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.  
It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

ATE (Inhalation) of the mixture:

Not classified (no significant component)

ATE (Oral) of the mixture:

Not classified (no significant component)

ATE (Dermal) of the mixture:

Not classified (no significant component)

cloruro di didecildimetilammonio

LD50 (Dermal):

3342 mg/kg Rabbit

LD50 (Oral):

238 mg/kg Rat

ETHANOL

LD50 (Dermal):

20 g/kg Rabbit

LD50 (Oral):

> 5000 mg/kg Rat

LC50 (Inhalation vapours):

120 mg/l/4h Pimephales promelas

Clorexidina digluconato

**ADMR204 - LYSONOX BIOWIPES ACTIVE**

LD50 (Dermal):

&gt; 5000 mg/kg Coniglio

LD50 (Oral):

2270 mg/kg Ratto OECD TG 401

SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye irritation

RESPIRATORY OR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class

Respiratory sensitization

Information not available

Skin sensitization

Information not available

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

**ADMR204 - LYSONOX BIOWIPES ACTIVE**Adverse effects on sexual function and fertility

Information not available

Adverse effects on development of the offspring

Information not available

Effects on or via lactation

Information not available

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

Target organs

Information not available

Route of exposure

Information not available

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

Target organs

Information not available

**ADMR204 - LYSONOX BIOWIPES ACTIVE**Route of exposure

Information not available

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

**11.2. Information on other hazards**

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

**SECTION 12. Ecological information**

This product is dangerous for the environment and the aquatic organisms. In the long term, it have negative effects on aquatic environment.

**12.1. Toxicity**

cloruro di didecildimetilammonio

LC50 - for Fish

0,49 mg/l/96h (Brachydanio rerio) (OECD 203)

EC50 - for Crustacea

0,03 mg/l/48h (Daphnia magna) (OECD 202)

EC50 - for Algae / Aquatic Plants

0,06 mg/l/72h (Selenastrum capricornutum) (OECD 201)

Chronic NOEC for Crustacea

0,021 mg/l (Daphnia magna) (OECD 211)

Chronic NOEC for Algae / Aquatic Plants

0,013 mg/l (Pseudokirchneriella subcapitata) (OECD 201)

ETHANOL

LC50 - for Fish

13 g/l Salmo gairdner

EC50 - for Crustacea

12,34 g/l Daphnia Magna

EC50 - for Algae / Aquatic Plants

275 mg/l/72h Chlorella vulgaris

Chronic NOEC for Crustacea

&gt; 10 mg/l 21d (acqua dolce)

Chronic NOEC for Algae / Aquatic Plants

7,9 g/l

Cloroxidina digluconato

LC50 - for Fish

2,08 mg/l/96h

EC50 - for Crustacea

0,087 mg/l/48h

EC50 - for Algae / Aquatic Plants

0,081 mg/l/72h

Chronic NOEC for Crustacea

0,0206 mg/l

**12.2. Persistence and degradability**

**ADMR204 - LYSONOX BIOWIPES ACTIVE**

cloruro di didecildimetilammonio

Rapidly degradable

ETHANOL

Solubility in water 1000 - 10000 mg/l

Rapidly degradable

Clorexidina digluconato

NOT rapidly degradable

**12.3. Bioaccumulative potential**

cloruro di didecildimetilammonio

BCF 81

ETHANOL

Partition coefficient: n-octanol/water -0,35

**12.4. Mobility in soil**

Clorexidina digluconato

Partition coefficient: soil/water &gt; 3,9

**12.5. Results of PBT and vPvB assessment**On the basis of available data, the product does not contain any PBT or vPvB in percentage  $\geq$  than 0,1%.**12.6. Endocrine disrupting properties**

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.

**12.7. Other adverse effects**

Information not available


**SECTION 13. Disposal considerations****13.1. Waste treatment methods**

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

**CONTAMINATED PACKAGING**

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

|  |                                   |   |
|--|-----------------------------------|---|
|  | ADRANOX SRL                       | Revision nr. 1  |
|  | ADMR204 - LYSONOX BIOWIPES ACTIVE | Dated 10/02/2022<br>First compilation<br>Printed on 10/02/2022<br>Page n. 14/17 |

## SECTION 14. Transport information

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

### 14.1. UN number or ID number

Not applicable

### 14.2. UN proper shipping name

Not applicable

### 14.3. Transport hazard class(es)

Not applicable

### 14.4. Packing group

Not applicable

### 14.5. Environmental hazards

Not applicable


### 14.6. Special precautions for user

Not applicable

### 14.7. Maritime transport in bulk according to IMO instruments

Information not relevant

## SECTION 15. Regulatory information

|  |                                   |   |
|--|-----------------------------------|---|
|  | ADRANOX SRL                       | Revision nr. 1  |
|  | ADMR204 - LYSONOX BIOWIPES ACTIVE | Dated 10/02/2022<br>First compilation<br>Printed on 10/02/2022<br>Page n. 15/17 |

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

Seveso Category - Directive 2012/18/EU: 10

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

##### Product

Point 3 - 40

##### Contained substance

Point 75

Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors

Not applicable

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage  $\geq$  than 0,1%.

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

##### Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

#### 15.2. Chemical safety assessment

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

### SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

**ADMR204 - LYSONOX BIOWIPES ACTIVE**

|                          |  |
|--------------------------|--|
| <b>Flam. Liq. 2</b>      | Flammable liquid, category 2                                       |
| <b>Acute Tox. 4</b>      | Acute toxicity, category 4   |
| <b>Skin Corr. 1</b>      | Skin corrosion, category 1   |
| <b>Eye Dam. 1</b>        | Serious eye damage, category 1                                     |
| <b>Eye Irrit. 2</b>      | Eye irritation, category 2   |
| <b>Aquatic Acute 1</b>   | Hazardous to the aquatic environment, acute toxicity, category 1   |
| <b>Aquatic Chronic 1</b> | Hazardous to the aquatic environment, chronic toxicity, category 1 |
| <b>Aquatic Chronic 3</b> | Hazardous to the aquatic environment, chronic toxicity, category 3 |
| <b>H225</b>              | Highly flammable liquid and vapour.                                |
| <b>H302</b>              | Harmful if swallowed.  |
| <b>H314</b>              | Causes severe skin burns and eye damage.                           |
| <b>H318</b>              | Causes serious eye damage.   |
| <b>H319</b>              | Causes serious eye irritation.                                     |
| <b>H400</b>              | Very toxic to aquatic life.  |
| <b>H410</b>              | Very toxic to aquatic life with long lasting effects.              |
| <b>H412</b>              | Harmful to aquatic life with long lasting effects.                 |

**LEGEND:**

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: Regulation (EC) 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

**GENERAL BIBLIOGRAPHY**

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
3. Regulation (EU) 2020/878 (II Annex of REACH Regulation)
4. Regulation (EC) 790/2009 (I Atp. CLP) of the European Parliament
5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament



**ADMR204 - LYSONOX BIOWIPES ACTIVE**

6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
12. Regulation (EU) 2016/1179 (IX Atp. CLP)
13. Regulation (EU) 2017/776 (X Atp. CLP)
14. Regulation (EU) 2018/669 (XI Atp. CLP)
15. Regulation (EU) 2019/521 (XII Atp. CLP)
16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
17. Regulation (EU) 2019/1148
18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)
20. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP)
21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)
- The Merck Index. - 10th Edition
- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

**Note for users:**

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

**CALCULATION METHODS FOR CLASSIFICATION**

Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.

Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.

Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.