

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

- **Product identifier**
- **Trade name:** Oxytetracycline Hydrochloride
- **Article number:** 150145
- **CAS Number:**
2058-46-0
- **EC number:**
218-161-2
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the preparation** Research Use Only
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
MP Biomedicals Europe
Parc d'Innovation BP 50067
Rue Geiler de Kaisersberg
Illkirch Cedex 67402
France
tel: +33 3.88.67.54.25
www.mpbio.com
- **Further information obtainable from:** Product safety department
- **Emergency telephone number:** :n° ORFILA" (01-45-42-59-59)

2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS08 health hazard

Repr. 2 H361d Suspected of damaging the unborn child.

- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**



T; Toxic

Repr. Cat. 2

R61: May cause harm to the unborn child.



Xn; Harmful

R62: Possible risk of impaired fertility.

- **Information concerning particular hazards for human and environment:** Not applicable.

- **Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The substance is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



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- **Signal word** Warning

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- **Hazard-determining components of labelling:**
oxytetracycline hydrochloride
- **Hazard statements**
H361d Suspected of damaging the unborn child.
- **Precautionary statements**
 - P101 If medical advice is needed, have product container or label at hand.*
 - P102 Keep out of reach of children.*
 - P103 Read label before use.*
 - P281 Use personal protective equipment as required.*
 - P201 Obtain special instructions before use.*
 - P202 Do not handle until all safety precautions have been read and understood.*
 - P308+P313 IF exposed or concerned: Get medical advice/attention.*
 - P405 Store locked up.*
 - P501 Dispose of contents/container in accordance with local/regional/national/international regulations.*
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Substances**
- **CAS No. Description**
2058-46-0 oxytetracycline hydrochloride
- **Identification number(s)**
- **EC number:** 218-161-2

4 First aid measures

- **Description of first aid measures**
- **After inhalation:** *Supply fresh air; consult doctor in case of complaints.*
- **After skin contact:** *Generally the product does not irritate the skin.*
- **After eye contact:** *Rinse opened eye for several minutes under running water.*
- **After swallowing:** *If symptoms persist consult doctor.*
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** *No further relevant information available.*
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** *No further relevant information available.*
- **Advice for firefighters**
- **Protective equipment:** *No special measures required.*

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6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Dispose contaminated material as waste according to item 13.
- **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

- **Handling:**
- **Precautions for safe handling** No special precautions are necessary if used correctly.
- **Information about fire - and explosion protection:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:** 15-30 °C
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Protect from exposure to the light.
Store in nitrogen.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:** Not required.
- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
- **Respiratory protection:** Not required.
- **Protection of hands:**
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 preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**
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.
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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· *Eye protection: Not required.*

9 Physical and chemical properties

· *Information on basic physical and chemical properties*

· *General Information*

· *Appearance:*

| | |
|---------------------------|------------------------|
| · <i>Form:</i> | <i>Solid</i> |
| · <i>Colour:</i> | <i>Not determined.</i> |
| · <i>Odour:</i> | <i>Characteristic</i> |
| · <i>Odour threshold:</i> | <i>Not determined.</i> |

· *pH-value:* *Not applicable.*

· *Change in condition*

| | |
|---------------------------------------|----------------------|
| · <i>Melting point/Melting range:</i> | <i>180 °C</i> |
| · <i>Boiling point/Boiling range:</i> | <i>Undetermined.</i> |

· *Flash point:* *Not applicable.*

· *Flammability (solid, gaseous):* *Product is not flammable.*

· *Ignition temperature:*

· *Decomposition temperature:* *Not determined.*

· *Self-igniting:* *Not determined.*

· *Danger of explosion:* *Product does not present an explosion hazard.*

· *Explosion limits:*

| | |
|-----------------|------------------------|
| · <i>Lower:</i> | <i>Not determined.</i> |
| · <i>Upper:</i> | <i>Not determined.</i> |

· *Vapour pressure:* *Not applicable.*

| | |
|---------------------------|------------------------|
| · <i>Density:</i> | <i>Not determined.</i> |
| · <i>Relative density</i> | <i>Not determined.</i> |
| · <i>Vapour density</i> | <i>Not applicable.</i> |
| · <i>Evaporation rate</i> | <i>Not applicable.</i> |

· *Solubility in / Miscibility with water:* *Soluble.*

· *Partition coefficient (n-octanol/water):* *Not determined.*

· *Viscosity:*

| | |
|---------------------|------------------------|
| · <i>Dynamic:</i> | <i>Not applicable.</i> |
| · <i>Kinematic:</i> | <i>Not applicable.</i> |

· *Solvent content:*

| | |
|----------------------------|---------------|
| · <i>Organic solvents:</i> | <i>0,0 %</i> |
| · <i>VOC (EC)</i> | <i>0,00 %</i> |

· *Solids content:* *100,0 %*

· *Other information* *No further relevant information available.*

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10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

· **LD/LC50 values relevant for classification:**

2058-46-0 oxytetracycline hydrochloride

| | | |
|------|------|--------------------|
| Oral | LD50 | 6696 mg/kg (mouse) |
|------|------|--------------------|

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
Repr. 2

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

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· **Recommended cleansing agents:** Water, if necessary together with cleansing agents.**14 Transport information**

| | |
|--|-----------------|
| · UN-Number · ADR, ADN, IMDG, IATA | Void |
| · UN proper shipping name · ADR, ADN, IMDG, IATA | Void |
| · Transport hazard class(es) · ADR, ADN, IMDG, IATA · Class | Void |
| · Packing group · ADR, IMDG, IATA | Void |
| · Environmental hazards: · Marine pollutant: | No |
| · Special precautions for user | Not applicable. |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · UN "Model Regulation": | - |

15 Regulatory information· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.**16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing MSDS:** Product safety department· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent