

Oxytetracycline Formulation

| Version | Revision Date: | SDS Number: | Date of last issue: 06.07.2024 |
|---------|----------------|--------------|---------------------------------|
| 9.0 | 28.09.2024 | 673928-00022 | Date of first issue: 12.05.2016 |

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

| 1.1 | Product identifier Trade name | : | Oxytetracycline Formulation |
|-----|--|------|--|
| 1.2 | Relevant identified uses of th | e s | ubstance or mixture and uses advised against |
| | Use of the Sub- stance/Mixture | : | Veterinary product |
| | Recommended restrictions on use | : | Not applicable |
| 1.3 | Details of the supplier of the s | safe | ety data sheet |
| | Company | : | MSD Kilsheelan Clonmel Tipperary, IE |
| | Telephone | : | 353-51-601000 |
| | E-mail address of person responsible for the SDS | : | EHSDATASTEWARD@msd.com |

1.4 Emergency telephone number

+1-908-423-6000

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Aerosols, Category 2

Eye irritation, Category 2 Skin sensitisation, Category 1 Reproductive toxicity, Category 1A Specific target organ toxicity - single exposure, Category 3 Short-term (acute) aquatic hazard, Category 1 Long-term (chronic) aquatic hazard, Category 1 H223: Flammable aerosol.
H229: Pressurised container: May burst if heated.
H319: Causes serious eye irritation.
H317: May cause an allergic skin reaction.
H360D: May damage the unborn child.
H336: May cause drowsiness or dizziness.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



Oxytetracycline Formulation

| Version 9.0 | Revision Date: 28.09.2024 | SDS Number: 673928-00022 | Date of last issue: 06.07.2024 Date of first issue: 12.05.2016 |
|----------------|---------------------------|--|--|
| Haza | rd pictograms | | |
| Signa | l word | : Danger | |
| Haza | rd statements | H229 Pressuris H317 May cau H319 Causes H336 May cau H360D May dan | ble aerosol. sed container: May burst if heated. se an allergic skin reaction. serious eye irritation. se drowsiness or dizziness. nage the unborn child. c to aquatic life with long lasting effects. |
| Preca | utionary statements | Prevention: | |
| | | P210 Keep aw flames and other P211 Do not s P251 Do not p P273 Avoid rel | pecial instructions before use. ay from heat, hot surfaces, sparks, open ignition sources. No smoking. pray on an open flame or other ignition source. ierce or burn, even after use. ease to the environment. otective gloves/ protective clothing/ eye protec- ion. |
| | | Response: P391 Collect s | pillage. |
| | | Storage: P410 + P412 F | Protect from sunlight. Do not expose to tem- ding 50 °C/ 122 °F. |

Hazardous components which must be listed on the label:

Butane Propan-2-ol Isobutane oxytetracycline

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

May displace oxygen and cause rapid suffocation.

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

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|---------|----------------|--------------|---------------------------------|
| 9.0 | 28.09.2024 | 673928-00022 | Date of first issue: 12.05.2016 |

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

| Chemical name | CAS-No. EC-No. Index-No. Registration number | Classification | Concentration (% w/w) |
|-----------------|---|---|--------------------------|
| Butane | 106-97-8 203-448-7 601-004-00-0 | Flam. Gas 1A; H220 Press. Gas Liquefied gas; H280 STOT SE 3; H336 | >= 20 - < 30 |
| Propan-2-ol | 67-63-0 200-661-7 603-117-00-0 | Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336 | >= 10 - < 20 |
| Isobutane | 75-28-5 200-857-2 601-004-00-0 | Flam. Gas 1A; H220 Press. Gas Liquefied gas; H280 STOT SE 3; H336 | >= 10 - < 20 |
| Propane | 74-98-6 200-827-9 601-003-00-5 | Flam. Gas 1A; H220 Press. Gas Liquefied gas; H280 STOT SE 3; H336 | >= 10 - < 20 |
| oxytetracycline | 79-57-2 201-212-8 | Skin Sens. 1A; H317 Repr. 1A; H360D Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute aquatic toxicity): 10 M-Factor (Chronic aquatic toxicity): 10 | >= 2,5 - < 10 |

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice

: In the case of accident or if you feel unwell, seek medical ad-

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



| Version 9.0 | Revision Date: 28.09.2024 | SDS Number: 673928-00022 | Date of last issue: 06.07.2024 Date of first issue: 12.05.2016 | | |
|----------------------------|---------------------------|--|---|--|--|
| | | vice immediat When sympto advice. | ely. ms persist or in all cases of doubt seek medical | | |
| Protection of first-aiders | | and use the re | First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists (see section 8). | | |
| If inhaled | | If not breathin If breathing is | If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately. | | |
| In case of skin contact | | Remove conta Get medical a Wash clothing | atact, immediately flush skin with plenty of water. aminated clothing and shoes. ttention. g before reuse. ean shoes before reuse. | | |
| In case of eye contact | | for at least 15 | remove contact lens, if worn. | | |
| If swallowed | | Get medical a | DO NOT induce vomiting. ttention. horoughly with water. | | |
| 4.2 Most i | mportant symptoms | s and effects, both a | cute and delayed | | |
| Symp | otoms | : Gastrointestin | al disturbance | | |
| Risks | | Causes serior May cause dr | a allergic skin reaction. us eye irritation. owsiness or dizziness. the unborn child. | | |
| | | Gas reduces | oxygen available for breathing. | | |
| | tion of any immedia | te medical attention | and special treatment needed | | |
| 4.3 Indica | , , | | natically and supportively. | | |

| 5.1 Extinguishing media | | |
|------------------------------|---|---|
| Suitable extinguishing media | : | Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical |
| Unsuitable extinguishing | : | None known. |



Oxytetracycline Formulation

Commission Regulation (EU) 2020/878

| Version | Revision Date: | SDS Number: | Date of last issue: 06.07.2024 |
|---------|----------------|--------------|---------------------------------|
| 9.0 | 28.09.2024 | 673928-00022 | Date of first issue: 12.05.2016 |

media

5.2 Special hazards arising from the substance or mixture

| | Specific hazards during fire- fighting | : | Flash back possible over considerable distance. Vapours may form explosive mixtures with air. Exposure to combustion products may be a hazard to health. If the temperature rises there is danger of the vessels bursting due to the high vapor pressure. |
|-----|---|---|---|
| | Hazardous combustion prod- ucts | : | Carbon oxides |
| 5.3 | Advice for firefighters | | |
| | Special protective equipment for firefighters | : | In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment. |
| | Specific extinguishing meth- ods | : | Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area. |

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

| Personal precautions | Evacuate personnel to safe areas. Remove all sources of ignition. Ventilate the area. Use personal protective equipment. Follow safe handling advice (see section 7) and personal pro- tective equipment recommendations (see section 8). |
|----------------------|---|
|----------------------|---|

6.2 Environmental precautions

| Environmental precautions | : | Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area (e.g. by containment or oil barriers). Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained. |
|---------------------------|---|--|
|---------------------------|---|--|

6.3 Methods and material for containment and cleaning up

| Methods for cleaning up | : Non-sparking tools should be used. |
|-------------------------|--|
| | Soak up with inert absorbent material. |
| | Suppress (knock down) gases/vapours/mists with a water |
| | spray jet. |
| | For large spills, provide dyking or other appropriate contain- |
| | ment to keep material from spreading. If dyked material can |



Oxytetracycline Formulation

| Version | Revision Date: | SDS Number: | Date of last issue: 06.07.2024 |
|---------|----------------|--|---|
| 9.0 | 28.09.2024 | 673928-00022 | Date of first issue: 12.05.2016 |
| | | Clean up rema bent. Local or nation posal of this ma employed in the mine which reg Sections 13 an | bre recovered material in appropriate container. ining materials from spill with suitable absor- al regulations may apply to releases and dis- aterial, as well as those materials and items e cleanup of releases. You will need to deter- gulations are applicable. Id 15 of this SDS provide information regarding national requirements. |

6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

SECTION 7: Handling and storage

| 7.1 Precautions for safe handling | | | | |
|-----------------------------------|---|--|--|--|
| Technical measures | : See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section. | | | |
| Local/Total ventilation | If sufficient ventilation is unavailable, use with local exhaust ventilation. If advised by assessment of the local exposure potential, use only in an area equipped with explosion-proof exhaust ventila- tion. | | | |
| Advice on safe handling | Do not get on skin or clothing. Avoid breathing spray. Do not swallow. Do not get in eyes. Wash skin thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment Keep container tightly closed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharges. Take care to prevent spills, waste and minimize release to the environment. Do not spray on an open flame or other ignition source. | | | |
| Hygiene measures | If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working place. When using do not eat, drink or smoke. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before re-use. | | | |

7.2 Conditions for safe storage, including any incompatibilities

| Requirements for storage areas and containers | : | Store locked up. Keep tightly closed. Keep in a cool, well- ventilated place. Store in accordance with the particular na- tional regulations. Do not pierce or burn, even after use. Keep cool. Protect from sunlight. |
|---|---|---|
| Advice on common storage | : | Do not store with the following product types: Self-reactive substances and mixtures |

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



Oxytetracycline Formulation

| Version | Revision Date: 28.09.2024 | SDS Number: | Date of last issue: 06.07.2024 |
|---------|---------------------------|--------------|---|
| 9.0 | | 673928-00022 | Date of first issue: 12.05.2016 |
| | | | s ds ds s stances and mixtures d mixtures, which in contact with water, emit |

7.3 Specific end use(s)

Specific use(s)

: No data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

| Components | CAS-No. | Value type (Form of exposure) | Control parameters | Basis |
|-----------------|---------------|-------------------------------|----------------------|-------------------------|
| Butane | 106-97-8 | TWA | 250 ppm 600 mg/m3 | FOR-2011- 12-06-1358 |
| Propan-2-ol | 67-63-0 | TWA | 100 ppm 245 mg/m3 | FOR-2011- 12-06-1358 |
| Propane | 74-98-6 | TWA | 500 ppm 900 mg/m3 | FOR-2011- 12-06-1358 |
| oxytetracycline | 79-57-2 | TWA | 500 µg/m3 (OEB 2) | Internal |
| | Further infor | Further information: DSEN | | |
| | | Wipe limit | 100 µg/100 cm² | Internal |

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006

| Substance name | End Use | Exposure routes | Potential health ef- fects | Value |
|----------------|-----------|-----------------|-------------------------------|---------------------|
| Propan-2-ol | Workers | Inhalation | Long-term systemic effects | 500 mg/m3 |
| | Workers | Skin contact | Long-term systemic effects | 888 mg/kg bw/day |
| | Consumers | Inhalation | Long-term systemic effects | 89 mg/m3 |
| | Consumers | Skin contact | Long-term systemic effects | 319 mg/kg bw/day |
| | Consumers | Ingestion | Long-term systemic effects | 26 mg/kg bw/day |

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006

| Substance name | Environmental Compartment | Value |
|----------------|---------------------------|------------|
| Propan-2-ol | Fresh water | 140,9 mg/l |
| | Marine water | 140,9 mg/l |

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



Oxytetracycline Formulation

| Version 9.0 | Revision Date: 28.09.2024 | SDS Number: 673928-00022 | Date of last issue: 0 Date of first issue: 1 | |
|----------------|---------------------------|-----------------------------|---|--------------------------------|
| Ш | | Intermittent us | se/release | 140,9 mg/l |
| | Sewage treatmen | | ment plant | 2251 mg/l |
| | | Fresh water s | ediment | 552 mg/kg dry weight (d.w.) |
| | | Marine sedim | ent | 552 mg/kg dry weight (d.w.) |
| | | Soil | | 28 mg/kg dry weight (d.w.) |
| | | Oral (Second | ary Poisoning) | 160 mg/kg food |

8.2 Exposure controls

Personal protective equipment

Hand protection

| Remarks | : | Take note that the product is flammable, which may impact the selection of hand protection. |
|---------------------------|---|---|
| Claim and hady protection | | |
| Skin and body protection | | Skin should be washed after contact. |
| Respiratory protection | : | If adequate local exhaust ventilation is not available or expo- |
| | | sure assessment demonstrates exposures outside the rec- |
| | | ommended guidelines, use respiratory protection. |
| | | Equipment should conform to NS EN 137 |
| Filter type | : | Self-contained breathing apparatus |
| | | |

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| Physical state | : | Aerosol containing a liquefied gas |
|---|---|------------------------------------|
| Colour | : | blue |
| Odour | : | solvent-like |
| Odour Threshold | : | No data available |
| Melting point/freezing point | : | No data available |
| Initial boiling point and boiling range | : | No data available |
| Flammability (solid, gas) | : | Flammable aerosol. |
| Flammability (liquids) | : | Not applicable |
| Upper explosion limit / Upper flammability limit | : | 9,5 %(V) |
| Lower explosion limit / Lower flammability limit | : | 1,8 %(V) |
| Flash point | : | -80 °C |

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



Oxytetracycline Formulation

| Vers 9.0 | sion | Revision Date: 28.09.2024 | | S Number: 3928-00022 | Date of last issue: 06.07.2024 Date of first issue: 12.05.2016 |
|-------------|---------------|---------------------------------|---|-------------------------|---|
| | | | | | |
| | Auto-ię | gnition temperature | : | No data available | e |
| | Decom | nposition temperature | : | No data availabl | e |
| | рН | | : | No data availabl | e |
| | Viscos Vis | ity cosity, kinematic | : | No data availabl | e |
| | | lity(ies) ter solubility | : | No data available | e |
| | | on coefficient: n- l/water | : | No data available | e |
| | Vapou | r pressure | : | No data available | e |
| | Relativ | ve density | : | No data available | e |
| | Densit | у | : | 0,92 g/cm ³ | |
| | Relativ | ve vapour density | : | No data available | e |
| | | e characteristics ticle size | : | No data availabl | e |
| 9.2 | Other i | nformation | | | |
| | Explos | sives | : | Not explosive | |
| | Oxidiz | ing properties | : | The substance of | r mixture is not classified as oxidizing. |
| | Evapo | ration rate | : | No data availabl | e |

SECTION 10: Stability and reactivity

10.1 Reactivity

Not classified as a reactivity hazard.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

| Hazardous reactions | Flammable aerosol. Vapours may form explosive mixture with air. If the temperature rises there is danger of the vessels bursting due to the high vapor pressure. |
|---------------------|--|
| | due to the high vapor pressure. |
| | Can react with strong oxidizing agents. |

10.4 Conditions to avoid



| Version 9.0 | Revision Date: 28.09.2024 | SDS Nu 673928 | | Date of last issue: 06.07.2024 Date of first issue: 12.05.2016 |
|----------------|--|------------------|--|---|
| Cond | litions to avoid | : Hea | at, flames an | d sparks. |
| | mpatible materials rials to avoid | : Oxi | dizing agent | S |
| | ardous decomposition azardous decomposition | - | | |
| SECTION | N 11: Toxicological i | nformati | on | |
| 11.1 Infor | mation on hazard clas | ses as de | fined in Re | gulation (EC) No 1272/2008 |
| Inforr expo | nation on likely routes o sure | Skir Inge | lation contact stion contact | |
| | e toxicity lassified based on avail | able inforr | nation. | |
| <u>Com</u> | ponents: | | | |
| Buta | ne: | | | |
| Acute | e inhalation toxicity | Exp Test | 0 (Rat): 5700 osure time: 1 atmosphere narks: Based | 5 min |
| Prop | an-2-ol: | | | |
| | e oral toxicity | : LD5 | 0 (Rat): > 5.0 | 000 mg/kg |
| Acute | e inhalation toxicity | Exp | 0 (Rat): > 25 osure time: 6 atmosphere | 5 h |
| Acute | e dermal toxicity | : LD5 | 0 (Rabbit): > | 5.000 mg/kg |
| Isobi | utane: | | | |
| Acute | e inhalation toxicity | Exp | 0 (Rat): 5700 osure time: 1 atmosphere | 5 min |
| Prop | ane: | | | |
| Acute | e inhalation toxicity | Exp | 0 (Rat): > 80 osure time: 1 atmosphere | 5 min |
| - | etracycline: e oral toxicity | : LD5 | 0 (Rat): 4.80 | 0 mg/kg |

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



| Version 9.0 | Revision Date: 28.09.2024 | | S Number: 3928-00022 | Date of last issue: 06.07.2024 Date of first issue: 12.05.2016 |
|----------------|---|-------|---|---|
| | | | LD50 (Mouse): 2.2 Remarks: Evidenc | 240 mg/kg ce of phototoxicity was observed |
| Acute | inhalation toxicity | : | Remarks: No data | available |
| Acute | e dermal toxicity | : | Remarks: No data | available |
| | e toxicity (other routes of nistration) | : | LD50 (Rat): 4.840 Application Route: | |
| | | | LD50 (Mouse): 3.5 Application Route: | |
| - | corrosion/irritation lassified based on availa | ble | information. | |
| Com | oonents: | | | |
| | an-2-ol: | | | |
| Speci Resu | | : | Rabbit No skin irritation | |
| Rema | | : | No data available | |
| | us eye damage/eye irri es serious eye irritation. | tatio | on | |
| | oonents: | | | |
| Propa | an-2-ol: | | | |
| Speci Resu | | : | Rabbit Irritation to eyes, r | reversing within 21 days |
| oxyte Rema | etracycline: arks | : | No data available | |
| Resp | iratory or skin sensitis | atio | n | |
| | sensitisation cause an allergic skin rea | ictio | n. | |
| - | iratory sensitisation lassified based on availa | ble | information. | |
| <u>Com</u> | oonents: | | | |
| Test | an-2-ol: Type sure routes | : | Buehler Test Skin contact | |

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



| Version 9.0 | Revision Date: 28.09.2024 | SDS Number:Date of last issue: 06.07.2024673928-00022Date of first issue: 12.05.2016 |
|-----------------------|---|---|
| Spec Meth Resu | od | Guinea pig OECD Test Guideline 406 negative |
| oxyte Test Resu | | : Human repeat insult patch test (HRIPT) : Sensitiser |
| Not c | n cell mutagenicity lassified based on ava | ilable information. |
| | ponents: | |
| Buta Geno | ne: toxicity in vitro | : Test Type: Bacterial reverse mutation assay (AMES) Method: OECD Test Guideline 471 Result: negative |
| | | Test Type: Chromosome aberration test in vitro Method: OECD Test Guideline 473 Result: negative |
| Geno | toxicity in vivo | Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay) Species: Rat Application Route: inhalation (gas) Method: OECD Test Guideline 474 Result: negative Remarks: Based on data from similar materials |
| Prop | an-2-ol: | |
| | toxicity in vitro | : Test Type: Bacterial reverse mutation assay (AMES) Result: negative |
| | | Test Type: In vitro mammalian cell gene mutation test Result: negative |
| Geno | toxicity in vivo | : Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay) Species: Mouse Application Route: Intraperitoneal injection Result: negative |
| Isobu | utane: | |
| Geno | toxicity in vitro | Test Type: Chromosome aberration test in vitro Method: OECD Test Guideline 473 Result: negative Remarks: Based on data from similar materials Test Type: Bacterial reverse mutation assay (AMES) |
| | | |

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



| Result: negative Remarks: Based on data from similar materials Genotoxicity in vivo : Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay) Species: Rat Application Route: inhalation (gas) Method: OECD Test Guideline 474 Result: negative Remarks: Based on data from similar materials Propane: : Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES) Result: negative Remarks: Based on data from similar materials Genotoxicity in vivo : Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay) Species: Rat Application Route: inhalation (gas) Method: OECD Test Guideline 474 Result: negative Remarks: Based on data from similar materials oxytetracycline: : Genotoxicity in vitro : Test Type: Microbial mutagenesis assay (Ames test) Result: negative Result: negative Genotoxicity in vitro : Test Type: Mouse Lymphoma Metabolic activation: Metabolic activation Result: negative Genotoxicity in vitro : Test Type: Chromosomal aberration Result: negative Genotoxicity in vitro : Test Type: Micronucleus test Species: Mouse Cell type: Bone marrow Application Route: Oral Result: equivocal Genotoxicity in vivo : Test Type: in vivo assay Species: Mouse Cell type: ion viso assay Species: Mouse Application Route: Oral Result: negative Genotoxicity in vivo : Test Type: in vivo assay Species: Mouse Application Route: Oral Result: negative Genotoxicity in vivo : Test | /ersion).0 | Revision Date: 28.09.2024 | - | 9S Number: 3928-00022 | Date of last issue: 06.07.2024 Date of first issue: 12.05.2016 |
|--|----------------|------------------------------|---|--|---|
| cytogenetic assay) Species: Rat Application Route: inhalation (gas) Method: OECD Test Guideline 474 Result: negative Remarks: Based on data from similar materials Propane: Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES) Result: negative Remarks: Based on data from similar materials Genotoxicity in vitro : Test Type: Marmalian erythrocyte micronucleus test (in vice cytogenetic assay) Species: Rat Application Route: inhalation (gas) Method: OECD Test Guideline 474 Result: negative Remarks: Based on data from similar materials oxytetracycline: Genotoxicity in vitro : Test Type: Marmalian erythrocyte micronucleus test (in vice cytogenetic assay) Species: Rat Application Route: inhalation (gas) Method: OECD Test Guideline 474 Result: negative Remarks: Based on data from similar materials oxytetracycline: Genotoxicity in vitro : Test Type: Microbial mutagenesis assay (Ames test) Result: negative Test Type: Mouse Lymphoma Metabolic activation: Metabolic activation: <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | |
| Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES) Result: negative Remarks: Based on data from similar materials Genotoxicity in vivo : Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay) Species: Rat Application Route: inhalation (gas) Method: OECD Test Guideline 474 Result: negative Remarks: Based on data from similar materials oxytetracycline: : Genotoxicity in vitro : Test Type: Microbial mutagenesis assay (Ames test) Result: negative Genotoxicity in vitro : Test Type: Mouse Lymphoma Metabolic activation: Metabolic activation Result: positive Test Type: Sister chromatid exchange assay Test system: Chinese hamster ovary cells Result: negative Genotoxicity in vivo : Test Type: Micronucleus test Species: Mouse Cell type: Bone marrow Application Route: Oral Result: equivocal Genotoxicity in vivo : Test Type: Micronucleus test Species: Mouse Cell type: Bone marrow Application Route: Oral Result: equivocal Genotoxicity in vivo : Test Type: Micronucleus test Species: Mouse Cell type: Bone marrow Application Route: Oral Result: equivocal Genotoxicity in vivo : Test Type: Mouse Cell type: Bone marrow Application Route: Intraperitoneal injection Result: negative Germ cell mutagenicity- As- : Weight of evidence does not support classification as a germ | Genc | otoxicity in vivo | : | cytogenetic ass Species: Rat Application Rou Method: OECD Result: negative | ay) ite: inhalation (gas) Test Guideline 474 e |
| Result: negative Remarks: Based on data from similar materials Genotoxicity in vivo : Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay) Species: Rat Application Route: inhalation (gas) Method: OECD Test Guideline 474 Result: negative Remarks: Based on data from similar materials oxytetracycline: Genotoxicity in vitro : Test Type: Microbial mutagenesis assay (Ames test) Result: negative Result: negative Result: negative Test Type: Mouse Lymphoma Metabolic activation: Metabolic activation Result: positive Test Type: Sister chromatid exchange assay Test Type: Chromosomal aberration Result: equivocal Test Type: Micronucleus test Species: Mouse Cell type: Bone marrow Application Route: Oral Result: equivocal Test Type: in vivo assay Species: Mouse Cell type: in vivo assay Species: Mouse Application Route: Intraperitoneal injection Result: equivocal Test Type: in vivo assay Species: Mouse | Prop | ane: | | | |
| cytogenetic assay) Species: Rat Application Route: inhalation (gas) Method: OECD Test Guideline 474 Result: negative Remarks: Based on data from similar materials oxytetracycline: Genotoxicity in vitro : Test Type: Microbial mutagenesis assay (Ames test) Result: negative Test Type: Mouse Lymphoma Metabolic activation: Metabolic activation Result: positive Test Type: sister chromatid exchange assay Test Type: Sister chromatid exchange assay Test Type: Chromosomal aberration Result: negative Genotoxicity in vivo : Test Type: Micronucleus test Species: Mouse Cell type: Bone marrow Application Route: Oral Result: equivocal Test Type: in vivo assay Species: Mouse Cell type: in vivo assay Species: Mouse Application Route: Intraperitoneal injection Result: negative Germ cell mutagenicity- As- : Weight of evidence does not support classification as a germ | | | : | Result: negative | 9 |
| Genotoxicity in vitro : Test Type: Microbial mutagenesis assay (Ames test) Result: negative Test Type: Mouse Lymphoma Metabolic activation: Metabolic activation Result: positive Test Type: sister chromatid exchange assay Test system: Chinese hamster ovary cells Result: equivocal Genotoxicity in vivo : Test Type: Chromosomal aberration Result: negative Genotoxicity in vivo : Test Type: Micronucleus test Species: Mouse Cell type: Bone marrow Application Route: Oral Result: equivocal Test Type: in vivo assay Species: Mouse Test Type: in vivo assay Species: Mouse Germ cell mutagenicity- As- : Weight of evidence does not support classification as a germ | Genc | otoxicity in vivo | : | cytogenetic ass Species: Rat Application Rou Method: OECD Result: negative | ay) ite: inhalation (gas) Test Guideline 474 e |
| Genotoxicity in vitro : Test Type: Microbial mutagenesis assay (Ames test) Result: negative Test Type: Mouse Lymphoma Metabolic activation: Metabolic activation Result: positive Test Type: sister chromatid exchange assay Test system: Chinese hamster ovary cells Result: equivocal Genotoxicity in vivo : Test Type: Chromosomal aberration Result: negative Genotoxicity in vivo : Test Type: Micronucleus test Species: Mouse Cell type: Bone marrow Application Route: Oral Result: equivocal Test Type: in vivo assay Species: Mouse Test Type: in vivo assay Species: Mouse Germ cell mutagenicity- As- : Weight of evidence does not support classification as a germ | oxvte | etracvcline: | | | |
| Metabolic activation: Metabolic activation Result: positive Test Type: sister chromatid exchange assay Test system: Chinese hamster ovary cells Result: equivocal Test Type: Chromosomal aberration Result: negative Genotoxicity in vivo : Test Type: Micronucleus test Species: Mouse Cell type: Bone marrow Application Route: Oral Result: equivocal Test Type: in vivo assay Species: Mouse Cell type: in vivo assay Species: Mouse Application Route: Intraperitoneal injection Result: negative Germ cell mutagenicity- As- : Weight of evidence does not support classification as a germ | - | - | : | | |
| Test system: Chinese hamster ovary cells Result: equivocal Test Type: Chromosomal aberration Result: negative Genotoxicity in vivo : Test Type: Micronucleus test Species: Mouse Cell type: Bone marrow Application Route: Oral Result: equivocal Test Type: in vivo assay Species: Mouse Cell type: in vivo assay Species: Mouse Application Route: Intraperitoneal injection Result: negative Germ cell mutagenicity- As- : Weight of evidence does not support classification as a germ | | | | Metabolic activa | ation: Metabolic activation |
| Genotoxicity in vivo : Test Type: Micronucleus test Species: Mouse Cell type: Bone marrow Application Route: Oral Result: equivocal Test Type: in vivo assay Species: Mouse Application Route: Intraperitoneal injection Result: negative Germ cell mutagenicity- As- : Weight of evidence does not support classification as a germ | | | | Test system: Cl | hinese hamster ovary cells |
| Species: Mouse Cell type: Bone marrow Application Route: Oral Result: equivocal Test Type: in vivo assay Species: Mouse Application Route: Intraperitoneal injection Result: negative Germ cell mutagenicity- As- : Weight of evidence does not support classification as a germ | | | | | |
| Species: Mouse Application Route: Intraperitoneal injection Result: negative Germ cell mutagenicity- As- : Weight of evidence does not support classification as a germ | Geno | otoxicity in vivo | : | Species: Mouse Cell type: Bone Application Rou | e marrow ite: Oral |
| | | | | Species: Mouse Application Rou | e ite: Intraperitoneal injection |
| 0 | | | : | | nce does not support classification as a germ |

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



Oxytetracycline Formulation

| Version | Revision Date: | SDS Number: | Date of last issue: 06.07.2024 |
|---------|----------------|--------------|---------------------------------|
| 9.0 | 28.09.2024 | 673928-00022 | Date of first issue: 12.05.2016 |

Π

Carcinogenicity

Not classified based on available information.

Components:

| Propan-2-ol: Species Application Route Exposure time Method Result | : | Rat inhalation (vapour) 104 weeks OECD Test Guideline 451 negative |
|--|---|---|
| oxytetracycline: | | |
| Species Application Route Exposure time Result | : | Mouse Oral 104 weeks negative |
| Species Application Route Exposure time Result Target Organs Remarks | | Rat Oral 103 weeks equivocal Adrenal gland, Pituitary gland The mechanism or mode of action may not be relevant in hu- mans. |
| Carcinogenicity - Assess- ment | | Weight of evidence does not support classification as a car- cinogen |
| Reproductive toxicity | | |
| May damage the unborn child | | |
| <u>Components:</u> | | |
| Butane: | | |
| Effects on fertility | | Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test Species: Rat Application Route: inhalation (gas) Method: OECD Test Guideline 422 Result: negative |
| Effects on foetal develop- ment | | Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test Species: Rat Application Route: inhalation (gas) Method: OECD Test Guideline 422 Result: negative |

Propan-2-ol:

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



| Version 9.0 | Revision Date: 28.09.2024 | SDS Number: 673928-00022 | Date of last issue: 06.07.2024 Date of first issue: 12.05.2016 |
|----------------|---------------------------|---|---|
| Effect | ts on fertility | Species: Rat | vo-generation reproduction toxicity study oute: Ingestion ve |
| Effect ment | ts on foetal develop- | Species: Rat | nbryo-foetal development oute: Ingestion ve |
| Isobu | itane: | | |
| | ts on fertility | reproduction/c Species: Rat Application Ro | ombined repeated dose toxicity study with the developmental toxicity screening test oute: inhalation (gas) D Test Guideline 422 ve |
| Effect ment | ts on foetal develop- | reproduction/c Species: Rat Application Ro | mbined repeated dose toxicity study with the developmental toxicity screening test oute: inhalation (gas) D Test Guideline 422 ve |
| Propa | ane: | | |
| | ts on fertility | reproduction/c Species: Rat Application Ro | mbined repeated dose toxicity study with the developmental toxicity screening test pute: inhalation (gas) D Test Guideline 422 ve |
| Effect ment | ts on foetal develop- | reproduction/c Species: Rat Application Ro | mbined repeated dose toxicity study with the developmental toxicity screening test pute: inhalation (gas) D Test Guideline 422 ve |
| II OXVte | etracycline: | | |
| | ts on fertility | Species: Rat Application Ro Fertility: NOAI Result: No eff | vo-generation reproduction toxicity study oute: Oral EL: 18 mg/kg body weight ects on fertility, No effect on reproduction capac- ant adverse effects were reported |
| Effect ment | ts on foetal develop- | : Test Type: En Species: Rat Application Ro | nbryo-foetal development oute: Oral |

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



| Version Revision Date: 9.0 28.09.2024 | | SDS Number: 673928-00022 | | Date of last issue: 06.07.2024 Date of first issue: 12.05.2016 | |
|--|---|-----------------------------|--|---|--|
| | | | | oxicity: LOAEL: 48 mg/kg body weight lantation loss., Skeletal malformations | |
| | | | Species: Rat Application Rou General Toxicity Embryo-foetal to Result: No terate | v Maternal: LOAEL: 1.200 mg/kg body weight oxicity: NOAEL: 1.500 mg/kg body weight | |
| | | | Species: Mouse Application Rou General Toxicity Embryo-foetal to Result: No terate | te: Oral / Maternal: LOAEL: 1.325 mg/kg body weight pxicity: NOAEL: 2.100 mg/kg body weight | |
| | | | Species: Rabbit Application Rou Embryo-foetal to | ryo-foetal development te: Intramuscular oxicity: LOAEL: 41,5 mg/kg body weight lantation loss., No foetal abnormalities | |
| | | | Species: Dog Application Rou Embryo-foetal to | ryo-foetal development te: Intramuscular oxicity: LOAEL: 20,75 mg/kg body weight and visceral variations, Postimplantation loss. | |
| Repro sessn | oductive toxicity - As- nent | : | Positive evidend human epidemid | e of adverse effects on development from blogical studies. | |
| May o | - single exposure cause drowsiness or diz conents: | zzine | SS. | | |
| | | | | | |
| Butar Asses Rema | ssment | : | | vsiness or dizziness. rom similar materials | |
| Propa Asses | an-2-ol: ssment | : | May cause drow | vsiness or dizziness. | |
| Isohu | itane: | | | | |
| Asses | | : | May cause drow | vsiness or dizziness. | |

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



| Version 9.0 | Revision Date: 28.09.2024 | SDS Number:Date of last issue: 06.07.2024673928-00022Date of first issue: 12.05.2016 | | | | | |
|-------------------------------|---|--|--|--|--|--|--|
| Prop Asse | ane: ssment | : May cause drowsiness or dizziness. | | | | | |
| | STOT - repeated exposure Not classified based on available information. | | | | | | |
| Repe | ated dose toxicity | | | | | | |
| Com | ponents: | | | | | | |
| Buta | ne: | | | | | | |
| | EL cation Route sure time | Rat >= 9000 ppm inhalation (gas) 6 Weeks OECD Test Guideline 422 | | | | | |
| Prop | an-2-ol: | | | | | | |
| Spec NOA Appli | ies | : Rat : 12,5 mg/l : inhalation (vapour) : 104 Weeks | | | | | |
| Isobu | utane: | | | | | | |
| | EL cation Route sure time | Rat >= 9000 ppm inhalation (gas) 6 Weeks OECD Test Guideline 422 | | | | | |
| Prop | ane: | | | | | | |
| Spec NOA Appli | ies EL cation Route sure time | Rat 7,214 mg/l inhalation (gas) 6 Weeks OECD Test Guideline 422 | | | | | |
| oxyte | etracycline: | | | | | | |
| Spec LOAE Appli Expo | ies EL cation Route sure time et Organs | Rat 198 mg/kg Oral 13 Weeks Bone No significant adverse effects were reported | | | | | |
| Expo | | : Mouse : 7.990 mg/kg : Oral : 13 Weeks : Bone | | | | | |
| | | 17 / 26 | | | | | |

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



Oxytetracycline Formulation

| Version 9.0 | Revision Date: 28.09.2024 | SDS Number: 673928-00022 | Date of last issue: 06.07.2024 Date of first issue: 12.05.2016 |
|---|--|---|---|
| Rema | arks | : No significant | adverse effects were reported |
| Spec NOA LOAE Appli Expo Targe Rema | EL EL cation Route sure time et Organs | : Dog : 125 mg/kg : 250 mg/kg : Oral : 12 Months : Testis : Significant to> | ricity observed in testing |
| Spec NOA LOAE Appli Expo Targe | EL | : Rat : 40 mg/kg : 100 mg/kg : Intraperitonea : 14 Days : Kidney | 1 |
| - | ration toxicity lassified based on ava | ilable information | |
| | mation on other haza | | |
| Endo | ocrine disrupting pro | perties | |
| Prod Asse | <u>uct:</u> ssment | ered to have e REACH Articl | e/mixture does not contain components consid- endocrine disrupting properties according to e 57(f) or Commission Delegated regulation 00 or Commission Regulation (EU) 2018/605 at o or higher. |
| Expe | rience with human e | xposure | |
| <u>Com</u> | ponents: | | |
| ovit | otracycline | | |

oxytetracycline:

Ingestion

Symptoms: Gastrointestinal disturbance, tooth discoloration Remarks: May cause birth defects.

SECTION 12: Ecological information

:

| 12.1 | Toxicity | / |
|------|----------|---|
|------|----------|---|

| Components: | | |
|---|---|--|
| Propan-2-ol: | | |
| Toxicity to fish | : | LC50 (Pimephales promelas (fathead minnow)): 9.640 mg/l Exposure time: 96 h |
| Toxicity to daphnia and other aquatic invertebrates | : | EC50 (Daphnia magna (Water flea)): > 10.000 mg/l Exposure time: 24 h |



| Version 9.0 | Revision Date: 28.09.2024 | | OS Number: 3928-00022 | Date of last issue: 06.07.2024 Date of first issue: 12.05.2016 | |
|--------------------|---|-----|--|---|--|
| Toxicit | Toxicity to microorganisms | | EC50 (Pseudomonas putida): > 1.050 mg/l Exposure time: 16 h | | |
| oxytet | racycline: | | | | |
| Toxicit | Toxicity to fish | | LC50 (Oryzias latipes (Japanese medaka)): 110 mg/l Exposure time: 96 h Method: OECD Test Guideline 203 | | |
| | y to daphnia and other c invertebrates | : | EC50 (Daphnia m Exposure time: 48 Method: OECD Te | | |
| | | | EC50 (Daphnia m Exposure time: 48 Method: OECD Te | | |
| Toxicit plants | y to algae/aquatic | : | EC50 (Anabaena) Exposure time: 72 | | |
| | | | NOEC (Anabaena Exposure time: 72 | | |
| M-Fact icity) | tor (Acute aquatic tox- | : | 10 | | |
| Toxicit | y to microorganisms | : | EC50 : 17,9 mg/l Exposure time: 3 Test Type: Respir Method: OECD Te | ation inhibition | |
| | | | NOEC : 0,2 mg/l Exposure time: 3 Test Type: Respir Method: OECD Te | ation inhibition | |
| M-Fact toxicity | tor (Chronic aquatic ′) | : | 10 | | |
| 12.2 Persis | stence and degradabil | ity | | | |
| Comp | onents: | | | | |
| Butan | e: | | | | |
| Biodeg | gradability | : | Result: Readily bio Remarks: Based of | odegradable. on data from similar materials | |
| Propa | n-2-ol: | | | | |
| Biodeg | gradability | : | Result: rapidly de | gradable | |
| BOD/C | COD | : | BOD: 1,19 (BOD5 COD: 2,23 |)) | |



| Version 9.0 | Revision Date: 28.09.2024 | - | DS Number: 73928-00022 | Date of last issue: 06.07.2024 Date of first issue: 12.05.2016 | | |
|-------------------------------|--------------------------------------|-----|-------------------------------------|--|--|--|
| | | | BOD/COD: 53 % | | | |
| Isobut | tane: | | | | | |
| Biodegradability | | : | Result: Readily b Remarks: Based | iodegradable. on data from similar materials | | |
| Propa | ne: | | | | | |
| Biodeg | gradability | : | | Result: Readily biodegradable. Remarks: Based on data from similar materials | | |
| 12.3 Bioac | cumulative potential | | | | | |
| <u>Comp</u> | onents: | | | | | |
| Butan | e: | | | | | |
| Partitic octanc | on coefficient: n- bl/water | : | log Pow: 2,89 | | | |
| | n-2-ol: | | | | | |
| Partitic | on coefficient: n- bl/water | : | log Pow: 0,05 | | | |
| Isobut | | | | | | |
| Partitic | on coefficient: n- bl/water | : | log Pow: 2,8 | | | |
| Propa Partitic octanc | on coefficient: n- | : | log Pow: 2,36 | | | |
| 12.4 Mobil i No dat | ity in soil ta available | | | | | |
| 12.5 Resul | ts of PBT and vPvB a | sse | ssment | | | |
| Produ | ct: | | | | | |
| Asses | | : | to be either persi | nixture contains no components considered stent, bioaccumulative and toxic (PBT), or nd very bioaccumulative (vPvB) at levels of | | |
| 12.6 Endoo | 12.6 Endocrine disrupting properties | | | | | |
| <u>Produ</u> | <u>ct:</u> | | | | | |
| Asses | sment | : | ered to have end REACH Article 5 | ixture does not contain components consid- ocrine disrupting properties according to 7(f) or Commission Delegated regulation or Commission Regulation (EU) 2018/605 at higher. | | |



Oxytetracycline Formulation

| Version | Revision Date: | SDS Number: | Date of last issue: 06.07.2024 |
|---------|----------------|--------------|---------------------------------|
| 9.0 | 28.09.2024 | 673928-00022 | Date of first issue: 12.05.2016 |

12.7 Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

| Product | : | Dispose of in accordance with local regulations. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities. Do not dispose of waste into sewer. |
|------------------------|---|--|
| Contaminated packaging | : | Please ensure aerosol cans are sprayed completely empty (including propellant) Empty containers should be taken to an approved waste han- dling site for recycling or disposal. Empty containers retain residue and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or ex- pose such containers to heat, flame, sparks, or other sources of ignition. They may explode and cause injury and/or death. If not otherwise specified: Dispose of as unused product. |

SECTION 14: Transport information

14.1 UN number or ID number

| | ADN | : | UN 1950 | |
|------|------------------------------|---|-------------------------------|------------------|
| | ADR | : | UN 1950 | |
| | RID | : | UN 1950 | |
| | IMDG | : | UN 1950 | |
| | ΙΑΤΑ | : | UN 1950 | |
| 14.2 | 2 UN proper shipping name | | | |
| | ADN | : | AEROSOLS | |
| | ADR | : | AEROSOLS | |
| | RID | : | AEROSOLS | |
| | IMDG | : | AEROSOLS (oxytetracycline) | |
| | ΙΑΤΑ | : | Aerosols, flammable | |
| 14.3 | B Transport hazard class(es) | | | |
| | | | Class | Subsidiary risks |
| | ADN | : | 2 | 2.1 |
| | ADR | : | 2 | 2.1 |
| | RID | : | 2 | 2.1 |

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878



Oxytetracycline Formulation

| Version 9.0 | Revision Date: 28.09.2024 | | OS Number: 3928-00022 | Date of last issue: 06.07.2024 Date of first issue: 12.05.2016 | | |
|--|--|---|---|---|--|--|
| IMD | C | | 2.1 | | | |
| IAT | | • | 2.1 | | | |
| | | • | 2.1 | | | |
| | king group | | | | | |
| | king group ssification Code | : | Not assigned by 5F 2.1 | regulation | | |
| ADR Packing group : Classification Code : Labels : Tunnel restriction code : | | : | Not assigned by 5F 2.1 (D) | 2.1 | | |
| Clas | king group ssification Code ard Identification Number | : | Not assigned by 5F 23 2.1 | regulation | | |
| Lab | king group | : | Not assigned by 2.1 F-D, S-U | regulation | | |
| Pac airci Pac | king instruction (LQ) king group | : | 203 Y203 Not assigned by Flammable Gas | regulation | | |
| Pac ger Pac | A (Passenger) king instruction (passen- aircraft) king instruction (LQ) king group els | : | 203 Y203 Not assigned by Flammable Gas | regulation | | |
| | vironmental hazards | • | | | | |
| ADI | | | | | | |
| | ironmentally hazardous | : | yes | | | |
| ADI Env | R ironmentally hazardous | : | yes | | | |
| RID | | : | yes | | | |
| IMD | - | : | yes | | | |
| | ecial precautions for use | r | | | | |
| | • | | | | | |

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data



Oxytetracycline Formulation

| Version | Revision Date: | SDS Number: | Date of last issue: 06.07.2024 |
|---------|----------------|--------------|---------------------------------|
| 9.0 | 28.09.2024 | 673928-00022 | Date of first issue: 12.05.2016 |

Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

14.7 Maritime transport in bulk according to IMO instruments

Remarks

: Not applicable for product as supplied.

SECTION 15: Regulatory information

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

| REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) | : | Conditions of restriction for the fol- lowing entries should be considered: Number on list 75: If you intend to use this product as tattoo ink, please contact your vendor. |
|--|------|---|
| REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) | | |
| | | Substance(s) or mixture(s) are listed here according to their appearance in the regulation, irrespective of their use/purpose or the conditions of the restriction. Please refer to the condi- tions in corresponding Regulation to determine whether an entry is appli- cable to the placing on the market or not. |
| REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). | : | Not applicable |
| REACH - List of substances subject to authorisation (Annex XIV) | : | Not applicable |
| Regulation (EC) on substances that deplete the ozone layer | : | Not applicable |
| Regulation (EU) 2019/1021 on persistent organic pollu- tants (recast) | : | Not applicable |
| Regulation (EU) No 649/2012 of the European Parlia- ment and the Council concerning the export and import of dangerous chemicals | : | Not applicable |
| Seveso III: Directive 2012/18/EU of the European Parlian | nent | and of the Council on the control of |

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

| P3a | FLAMMABLE AEROSOLS | Quantity 1 150 t | Quantity 2 500 t |
|-----|---|---------------------|---------------------|
| E1 | ENVIRONMENTAL HAZARDS | 100 t | 200 t |
| 18 | Liquefied flammable gases (including LPG) and natural gas | 50 t | 200 t |

Other regulations:

Note the Working Environment Act § 4-1 and § 4-2 on requirements for the employer to protect



Oxytetracycline Formulation

| Version | Revision Date: | SDS Number: | Date of last issue: 06.07.2024 |
|---------|----------------|--------------|---------------------------------|
| 9.0 | 28.09.2024 | 673928-00022 | Date of first issue: 12.05.2016 |

pregnant employees against discomfort and injury as a result of the work situation and the working environment.

Note the regulation on organization, leadership and participation, chapter 12 on the work of children and young people.

The components of this product are reported in the following inventories:

| AICS | : | not determined |
|-------|---|----------------|
| DSL | : | not determined |
| IECSC | : | not determined |

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

| Other information | : | Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines. |
|--|----|--|
| Full text of H-Statements H220 H225 H280 H317 H319 H336 H360D H400 H410 | | Extremely flammable gas. Highly flammable liquid and vapour. Contains gas under pressure; may explode if heated. May cause an allergic skin reaction. Causes serious eye irritation. May cause drowsiness or dizziness. May damage the unborn child. Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. |
| Full text of other abbreviation | าร | |
| Aquatic Acute Aquatic Chronic Eye Irrit. Flam. Gas Flam. Liq. Press. Gas Repr. Skin Sens. STOT SE FOR-2011-12-06-1358 FOR-2011-12-06-1358 / TWA | | Short-term (acute) aquatic hazard Long-term (chronic) aquatic hazard Eye irritation Flammable gases Flammable liquids Gases under pressure Reproductive toxicity Skin sensitisation Specific target organ toxicity - single exposure Norway. Occupational Exposure limits Long term exposure limit |

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA -European Chemicals Agency; EC-Number - European Community number; ECx - Concentration



Oxytetracycline Formulation

| Version | Revision Date: | SDS Number: | Date of last issue: 06.07.2024 |
|---------|----------------|--------------|---------------------------------|
| 9.0 | 28.09.2024 | 673928-00022 | Date of first issue: 12.05.2016 |

associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIOC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI -Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Further information

| Sources of key data used to : | Internal technical data, data from raw material SDSs, OECD |
|-------------------------------|--|
| compile the Safety Data | eChem Portal search results and European Chemicals Agen- |
| Sheet | cy, http://echa.europa.eu/ |

Classification procedure:

Classification of the mixture:

| Aerosol 2 | H223, H229 | Based on product data or assessment |
|-------------------|------------|-------------------------------------|
| Eye Irrit. 2 | H319 | Calculation method |
| Skin Sens. 1 | H317 | Calculation method |
| Repr. 1A | H360D | Calculation method |
| STOT SE 3 | H336 | Calculation method |
| Aquatic Acute 1 | H400 | Calculation method |
| Aquatic Chronic 1 | H410 | Calculation method |
| | | |

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

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 is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text.



Oxytetracycline Formulation

| Version | Revision Date: | SDS Number: | Date of last issue: 06.07.2024 |
|---------|----------------|--------------|---------------------------------|
| 9.0 | 28.09.2024 | 673928-00022 | Date of first issue: 12.05.2016 |

Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

NO / EN