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SECTION 1. IDENTIFICATION

| Product name : Other means of identification : | | Oxytetracycline / Diclofenac Liquid Formulation No data available | | | |
|---|---|--|--|--|--|
| Manufacturer or supplier's details | | | | | |
| Company name of supplier | : | Merck & Co., Inc | | | |
| Address | : | 126 E. Lincoln Avenue | | | |

| Address | : | 126 E. Lincoln Avenue |
|---------------------|---|---------------------------------|
| | | Rahway, New Jersey U.S.A. 07065 |
| Telephone | : | 908-740-4000 |
| Emergency telephone | : | 1-908-423-6000 |
| E-mail address | : | EHSDATASTEWARD@merck.com |
| | | |

Recommended use of the chemical and restrictions on use

| Recommended use | : | Veterinary product |
|---------------------|---|--------------------|
| Restrictions on use | : | Not applicable |

SECTION 2. HAZARDS IDENTIFICATION

| GHS classification in accordance with the Hazardous Products Regulations Eye irritation : Category 2A | | | |
|---|---|--|--|
| Skin sensitization | : | Sub-category 1A | |
| Reproductive toxicity | : | Category 1A | |
| GHS label elements Hazard pictograms | : | | |
| Signal Word | : | Danger | |
| Hazard Statements | : | H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H360FD May damage fertility. May damage the unborn child. | |
| Precautionary Statements | : | Prevention: P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P261 Avoid breathing mist or vapors. P264 Wash skin thoroughly after handling. P272 Contaminated work clothing should not be allowed out of the workplace. P280 Wear protective gloves, protective clothing, eye protection and face protection. | |

SAFETY DATA SHEET according to the Hazardous Products Regulations



Oxytetracycline / Diclofenac Liquid Formulation

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|-----------------|------------------------------|---|---|
| | | P305 + P351 + P for several minute to do. Continue ri P308 + P313 IF e P333 + P313 If sk tion. P337 + P313 If e | ON SKIN: Wash with plenty of water. 338 IF IN EYES: Rinse cautiously with water es. Remove contact lenses, if present and easy nsing. exposed or concerned: Get medical attention. kin irritation or rash occurs: Get medical atten- ye irritation persists: Get medical attention. the off contaminated clothing and wash it before |
| | | Storage: P405 Store locke | d up. |
| | | Disposal: P501 Dispose of disposal plant. | contents and container to an approved waste |

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Substance | / Mixture | : | Mixture |
|-----------|-----------|---|---------|
| | | | |

Components

| Chemical name | Common Name/Synonym | CAS-No. | Concentration (% w/w) |
|---|---|------------|-----------------------|
| 2-Pyrrolidone | No data availa- ble | 616-45-5 | >= 30 - < 60 * |
| Oxytetracycline | No data availa- ble | 79-57-2 | >= 10 - < 30 * |
| Benzyl alcohol | Benzenemetha- nol | 100-51-6 | >= 1 - < 5 * |
| Magnesium oxide | Caustic magne- site | 1309-48-4 | >= 1 - < 5 * |
| Sodium [2-[(2,6- dichloro- phe- nyl)amino]phenyl]aceta te | No data availa- ble | 15307-79-6 | >= 0.1 - < 1 * |
| Sodium hy- droxymethanesulphi- nate | Methanesulfinic acid, 1-hydroxy- , sodium salt (1:1) | 149-44-0 | >= 0.1 - < 1 * |

* Actual concentration or concentration range is withheld as a trade secret

SECTION 4. FIRST AID MEASURES



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| General advice | | advice immed | In the case of accident or if you feel unwell, seek medical advice immediately. When symptoms persist or in all cases of doubt seek medical advice | | |
| If in | haled | , | If inhaled, remove to fresh air. Get medical attention. | | |
| In c | ase of skin contact | In case of contact, immediately flush skin with soap and ple of water. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse. | | | |
| In c | ase of eye contact | In case of contact, immediately flush eyes with plenty of w for at least 15 minutes. If easy to do, remove contact lens, if worn. Get medical attention. | | | |
| If sv | vallowed | If swallowed, DO NOT induce vomiting. Get medical attention. Rinse mouth thoroughly with water. | | | |
| and dela | at important symptoms effects, both acute and ayed tection of first-aiders | May cause an Causes seriou May damage f First Aid response and use the response | allergic skin reaction. Is eye irritation. fertility. May damage the unborn child. onders should pay attention to self-protection, ecommended personal protective equipment intial for exposure exists (see section 8). | | |
| Not | es to physician | | natically and supportively. | | |

SECTION 5. FIRE-FIGHTING MEASURES

| Suitable extinguishing media | : | Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical |
|--|---|---|
| Unsuitable extinguishing media | : | None known. |
| Specific hazards during fire fighting | : | Exposure to combustion products may be a hazard to health. |
| Hazardous combustion prod- ucts | : | Carbon oxides Nitrogen oxides (NOx) |
| 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. |
| Special protective equipment for fire-fighters | : | In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment. |



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SECTION 6. ACCIDENTAL RELEASE MEASURES

| Personal precautions, protec- tive equipment and emer- gency procedures | : | Use personal protective equipment. Follow safe handling advice (see section 7) and personal protective equipment recommendations (see section 8). |
|---|---|---|
| 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. |
| Methods and materials for containment and cleaning up | : | Soak up with inert absorbent material. For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbent. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements. |

SECTION 7. HANDLING AND STORAGE

| Technical measures Local/Total ventilation | : | See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section. If sufficient ventilation is unavailable, use with local exhaust ventilation. |
|---|---|--|
| Advice on safe handling | : | Do not get on skin or clothing. Avoid breathing mist or vapors. 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. Take care to prevent spills, waste and minimize release to the environment. |
| Conditions for safe storage | : | Keep in properly labeled containers. Store locked up. Keep tightly closed. Store in accordance with the particular national regulations. |
| Materials to avoid | : | Do not store with the following product types: |



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Strong oxidizing agents Self-reactive substances and mixtures Organic peroxides Explosives Gases

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

| Components | CAS-No. | Value type | Control parame- | Basis |
|-----------------------------|----------------|---------------|----------------------------|-----------|
| | | (Form of | ters / Permissible | |
| | | exposure) | concentration | |
| Oxytetracycline | 79-57-2 | TWA | 500 µg/m3 (OEB | Internal |
| - , | | | 2) | |
| | Further inform | ation: DSEN | . / | |
| | | Wipe limit | 100 µg/100 cm ² | Internal |
| Magnesium oxide | 1309-48-4 | TŴA | 10 mg/m ³ | CA AB OEL |
| - | | (Fumes) | | |
| | | TWA (Inhal- | 10 mg/m ³ | CA BC OEL |
| | | able fume) | (Magnesium) | |
| | | TWA (Res- | 3 mg/m ³ | CA BC OEL |
| | | pirable dust | (Magnesium) | |
| | | and fume) | | |
| | | STEL (Res- | 10 mg/m ³ | CA BC OEL |
| | | pirable dust | (Magnesium) | |
| | | and fume) | | |
| | | TWAEV (in- | 10 mg/m³ | CA QC OEL |
| | | halable dust) | | |
| | | TWA | 10 mg/m³ | ACGIH |
| | | (Inhalable | | |
| | | particulate | | |
| | | matter) | | |
| Sodium [2-[(2,6- | 15307-79-6 | TWA | 100 µg/m3 (OEB | Internal |
| dichloro- | | | 2) | |
| phenyl)amino]phenyl]acetate | | | | |
| | Further inform | ation: Skin | | |

Ingredients with workplace control parameters

| Engineering measures : | Use appropriate engineering controls and manufacturing technologies to control airborne concentrations (e.g., drip- less quick connections). All engineering controls should be implemented by facility design and operated in accordance with GMP principles to protect products, workers, and the environment. Laboratory operations do not require special containment. |
|-------------------------------|--|
| Personal protective equipment | |
| Respiratory protection : | If adequate local exhaust ventilation is not available or exposure assessment demonstrates exposures outside the |

Filter type

recommended guidelines, use respiratory protection.

: Combined particulates and organic vapor type



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| Hand protection Material | | : Chemical-re | sistant gloves | | |
| Eye protection | | Wear safety glasses with side shields or goggles. If the work environment or activity involves dusty conditions, mists or aerosols, wear the appropriate goggles. Wear a faceshield or other full face protection if there is a potential for direct contact to the face with dusts, mists, or aerosols. | | | |
| | Skin and body protection : Hygiene measures : | | n or laboratory coat. to chemical is likely during typical use, provide systems and safety showers close to the te. do not eat, drink or smoke. ed work clothing should not be allowed out of the minated clothing before re-use. e operation of a facility should include review of controls, proper personal protective equipment, degowning and decontamination procedures, giene monitoring, medical surveillance and the histrative controls. | | |

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

| Appearance | : | liquid |
|---|---|------------------------------------|
| Color | : | light brown |
| Odor | : | No data available |
| Odor Threshold | : | No data available |
| рН | : | 8.3 - 9.0 (as aqueous solution) |
| Melting point/freezing point | : | No data available |
| Initial boiling point and boiling range | : | No data available |
| Flash point | : | No data available |
| Evaporation rate | : | No data available |
| Flammability (solid, gas) | : | Not applicable |
| Flammability (liquids) | : | No data available |
| Upper explosion limit / Upper flammability limit | : | No data available |
| Lower explosion limit / Lower | : | No data available |



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| 1 | flamma | bility limit | | | |
| , | Vapor p | pressure | : | No data available | e |
| | Relativ | e vapor density | : | No data available | 9 |
| | Relativ | e density | : | No data available | e |
| | Density | , | : | 1.05 - 1.18 g/cm ² | 3 |
| : | Solubili Wat | ty(ies) er solubility | : | soluble | |
| | Partitio octanol | n coefficient: n- | : | No data available | 9 |
| | | nition temperature | : | No data available | 9 |
| | Decom | position temperature | : | No data available | 9 |
| | Viscosi Visc | ty cosity, kinematic | : | 47.62 mm²/s | |
| | Explosi | ve properties | : | Not explosive | |
| | Oxidiziı | ng properties | : | The substance o | r mixture is not classified as oxidizing. |
| | Molecu | lar weight | : | No data available | e |
| | Particle Particle | e characteristics e size | : | Not applicable | |

SECTION 10. STABILITY AND REACTIVITY

| Reactivity | : | Not classified as a reactivity hazard. |
|---|---|--|
| Chemical stability | : | Stable under normal conditions. |
| Possibility of hazardous reac- tions | : | Can react with strong oxidizing agents. |
| Conditions to avoid | : | None known. |
| Incompatible materials | : | Oxidizing agents |
| Hazardous decomposition products | : | No hazardous decomposition products are known. |

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation Skin contact Ingestion Eye contact



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| Acute | e toxicity | | | | |
| | assified based on availa | ble | information. | | |
| <u>Produ</u> | uct: | | | | |
| Acute | oral toxicity | : | Acute toxicity e Method: Calcul | stimate: > 2,000 mg/kg ation method | |
| Comp | oonents: | | | | |
| 2-Pyr | rolidone: | | | | |
| Acute | oral toxicity | : | | 2,000 mg/kg Test Guideline 401 he substance or mixture has no acute oral tox- | |
| Acute | dermal toxicity | : | | > 2,000 mg/kg Test Guideline 402 he substance or mixture has no acute dermal | |
| Oxyte | etracycline: | | | | |
| Acute | oral toxicity | : | LD50 (Rat): 4,8 | 000 mg/kg | |
| | | | LD50 (Mouse): Remarks: Evide | 2,240 mg/kg ence of phototoxicity was observed | |
| Acute | inhalation toxicity | : | Remarks: No d | ata available | |
| Acute | dermal toxicity | : | Remarks: No d | ata available | |
| | toxicity (other routes of nistration) | : | | 40 mg/kg ute: Intramuscular | |
| | | | LD50 (Mouse): Application Rou | 3,500 mg/kg ute: Subcutaneous | |
| Benz | yl alcohol: | | | | |
| | oral toxicity | : | LD50 (Rat): 1,2 | 200 mg/kg | |
| Acute | inhalation toxicity | : | LC50 (Rat): > 5.4 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 Assessment: The substance or mixture has no acute inhala tion toxicity | | |
| Magn | esium oxide: | | | | |
| - | oral toxicity | : | Method: OECD | 2,000 mg/kg Test Guideline 423 he substance or mixture has no acute oral tox- | |



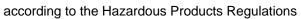
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|----------------|----------|-----------------------------------|--------------|--|---|--|--|--|
| | | | | | on data from similar materials | | | |
| A | Acute ir | halation toxicity | : | LC50 (Rat): > 2.1 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 Remarks: Based on data from similar materials | | | | |
| S | Sodium | n [2-[(2,6-dichlorophe | nvľ |)aminolphenyllac | etate: | | | |
| | | ral toxicity | | LD50 (Rat): 55 - 2 | | | | |
| | | | | LD50 (Mouse): 17 | ′0 - 389 mg/kg | | | |
| | | oxicity (other routes of tration) | : | LD50 (Rat): 97 - 1 Application Route | | | | |
| | | | | LD50 (Mouse): 92 Application Route | | | | |
| S | Sodium | n hydroxymethanesu | lphi | nate: | | | | |
| A | Acute o | ral toxicity | : | LD50 (Rat): > 2,00 Method: OECD To Assessment: The icity | | | | |
| A | Acute d | ermal toxicity | : | LD50 (Rat): > 2,00 Method: OECD To Assessment: The toxicity | | | | |
| | | prrosion/irritation | b 1 a | f | | | | |
| | | ssified based on availa nents: | bie | information. | | | | |
| | | lidone: | | | | | | |
| | Species | | • | Rabbit | | | | |
| | /lethod | | : | OECD Test Guide | eline 404 | | | |
| R | Result | | : | No skin irritation | | | | |
| 0 | Dxytetr | acycline: | | | | | | |
| R | Remark | S | : | No data available | | | | |
| В | Benzyl | alcohol: | | | | | | |
| | Species | | : | Rabbit | | | | |
| | lethod | | : | OECD Test Guide | eline 404 | | | |
| R | Result | | : | No skin irritation | | | | |



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|--------------|---|--------------------------|-------|--------------------------|---|--|--|--|
| | Sodium [2-[(2,6-dichlorophenyl)amino]phenyl]acetate: | | | | | | | |
| | Result | | | | | | | |
| | Sodium hydroxymethanesulphinate: | | | | | | | |
| | Species | | | Rat | | | | |
| | Result | , | : | No skin irritation | | | | |
| | Serious eye damage/eye irritation Causes serious eye irritation. | | | | | | | |
| | Causes | serious eye irritation. | | | | | | |
| | <u>Compo</u> | <u>nents:</u> | | | | | | |
| | 2-Pyrro | lidone: | | | | | | |
| | Species | ; | : | Rabbit | | | | |
| | Result | | : | Irritation to eyes, r | eversing within 7 days | | | |
| | Oxytetr | acycline: | | | | | | |
| | Remark | S | : | No data available | | | | |
| | Benzyl | alcohol: | | | | | | |
| | Species | 5 | : | Rabbit | | | | |
| | Result | | : | Irritation to eyes, r | eversing within 21 days | | | |
| | Method | | : | OECD Test Guide | line 405 | | | |
| | Magnes | sium oxide: | | | | | | |
| | Species | 5 | : | Rabbit | | | | |
| | Result | | : | No eye irritation | | | | |
| | Method | | : | OECD Test Guide | | | | |
| | Remark | S | : | Based on data from | m similar materials | | | |
| | Sodium | n [2-[(2,6-dichlorophe | nyl) | amino]phenyl]ace | etate: | | | |
| | Result | | : | Mild eye irritation | | | | |
| | Sodium | hydroxymethanesu | phi | nate: | | | | |
| | Species | | : | Rabbit | | | | |
| | Result | | : | No eye irritation | | | | |
| | Method | | : | OECD Test Guide | line 405 | | | |
| | Respira | atory or skin sensitiza | atio | n | | | | |
| | Skin se | nsitization | | | | | | |
| | May ca | use an allergic skin rea | actio | n. | | | | |
| | • | atory sensitization | - | | | | | |
| | - | sified based on availa | hla | information | | | | |

Not classified based on available information.

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| | <u>Compon</u> | ents: | | | | | | | | |
| | 2-Pyrroli | done: | | | | | | | | |
| | Test Type | | | Local lymph nod | | | | | | |
| | Routes of exposure Species | | | Skin contact | e assay (LLINA) | | | | | |
| | | | | Mouse | | | | | | |
| | Method | | ÷ | OECD Test Guid | deline 429 | | | | | |
| | Result | | ÷ | negative | | | | | | |
| | Remarks | | : | | rom similar materials | | | | | |
| | Oxytetra | cycline: | | | | | | | | |
| | Test Typ | e | : | Human repeat ir | sult patch test (HRIPT) | | | | | |
| | Result | - | : | Sensitizer | | | | | | |
| | Benzyl a | Icohol: | | | | | | | | |
| | Test Typ | е | : | Human repeat ir | sult patch test (HRIPT) | | | | | |
| | Routes of exposure Species | | | Skin contact | | | | | | |
| | | | | Humans | | | | | | |
| | Result | | : | positive | | | | | | |
| | Assessment | | : | : Probability or evidence of low to moderate skin sensitization rate in humans | | | | | | |
| | Magnesi | um oxide: | | | | | | | | |
| | Test Typ | е | : | Maximization Te | st | | | | | |
| | | f exposure | : | Skin contact | | | | | | |
| | Species | | : | Guinea pig | | | | | | |
| | Method | | : | OECD Test Guid | deline 406 | | | | | |
| | Result | | : | negative | | | | | | |
| | Remarks | | : | Based on data from similar materials | | | | | | |
| | | hydroxymethanes | ulph | | | | | | | |
| | Test Typ | | : | Maximization Te | st | | | | | |
| | | f exposure | : | Skin contact | | | | | | |
| | Species | | : | Guinea pig | | | | | | |
| | Method Result | | : | OECD Test Guid negative | aeine 406 | | | | | |
| | Gorm co | II mutagenicity | | | | | | | | |
| | | ified based on avail | lable | information. | | | | | | |
| | <u>Compon</u> | <u>ents:</u> | | | | | | | | |
| | 2-Pyrroli | done: | | | | | | | | |
| | - | city in vitro | : | Test Type: Bactor Result: negative | erial reverse mutation assay (AMES) | | | | | |
| | | | | | ro mammalian cell gene mutation test Test Guideline 476 | | | | | |
| | | | | 11 / 26 | | | | | | |

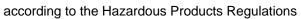


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| | | | Test Type: Chron | on data from similar materials nosome aberration test in vitro est Guideline 473 | |
| Genot | Genotoxicity in vivo | | Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay) Species: Mouse Application Route: Intraperitoneal injection Method: OECD Test Guideline 474 Result: negative | | |
| Oxvte | tracycline: | | | | |
| • | toxicity in vitro | : | Test Type: Microl Result: negative | pial mutagenesis assay (Ames test) | |
| | | | Test Type: Mouse Metabolic activati Result: positive | e Lymphoma on: Metabolic activation | |
| | | | | chromatid exchange assay nese hamster ovary cells | |
| | | | Test Type: Chron Result: negative | nosomal aberration | |
| Genot | toxicity in vivo | : | Test Type: Micror Species: Mouse Cell type: Bone m Application Route Result: equivocal | arrow | |
| | | | Test Type: in vivo Species: Mouse Application Route Result: negative | assay : Intraperitoneal injection | |
| | cell mutagenicity - sment | : | Weight of evidend cell mutagen. | ce does not support classification as a germ | |
| Benzy | /l alcohol: | | | | |
| - | toxicity in vitro | : | Test Type: Bacte Result: negative | rial reverse mutation assay (AMES) | |
| Genot | toxicity in vivo | : | cytogenetic assay Species: Mouse | nalian erythrocyte micronucleus test (in vivo /) e: Intraperitoneal injection | |



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| | | | Result: negative | |
| Ма | agnesium oxide: | | | |
| | enotoxicity in vitro | : | Method: OECD Te Result: negative | ial reverse mutation assay (AMES) est Guideline 471 on data from similar materials |
| | | | Method: OECD Te Result: negative | osome aberration test in vitro est Guideline 473 on data from similar materials |
| | | | Test Type: In vitro Method: OECD Te Result: negative | mammalian cell gene mutation test est Guideline 476 |
| | | | | on data from similar materials |
| Sc | odium [2-[(2,6-dichlorophe | nvi |)aminolnhenvllac | atata- |
| | enotoxicity in vitro | : | | ial reverse mutation assay (AMES) |
| | | | Test Type: Mouse Result: negative | Lymphoma |
| Ge | enotoxicity in vivo | : | Test Type: Chrom Species: CHO Result: negative | osomal aberration |
| Sc | odium hydroxymethanesu | lph | inate: | |
| | enotoxicity in vitro | : | | |
| | | | Test Type: In vitro Method: OECD Te Result: positive | mammalian cell gene mutation test est Guideline 476 |
| Ge | enotoxicity in vivo | : | cytogenetic assay Species: Mouse | Intraperitoneal injection |
| | erm cell mutagenicity - sessment | : | Positive result(s) f genicity tests. | rom in vivo mammalian somatic cell muta- |

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| | inogenicity | ilable information | |
| | lassified based on ava | mable mormation. | |
| Com | ponents: | | |
| 2-Py | rrolidone: | | |
| Spec | | : Mouse | |
| | cation Route | : Ingestion | |
| Expo Resu | sure time | : 18 month(s) : negative | |
| Rema | | | ta from similar materials |
| Oxyt | etracycline: | | |
| Spec | ies | : Mouse | |
| | cation Route | : Oral | |
| | sure time | : 104 weeks | |
| Resu | llt | : negative | |
| Spec | ies | : Rat | |
| | cation Route | : Oral | |
| | sure time | : 103 weeks | |
| Resu | | : equivocal | d. Ditaiters along |
| Rema | et Organs | | id, Pituitary gland is not be relevant in hu- |
| Kem | ains | mans. | ISIN OF MODE OF ACTION MAY NOT BE RELEVANT IN NO- |
| Carci ment | inogenicity - Assess- | : Weight of ev cinogen | idence does not support classification as a car- |
| Benz | yl alcohol: | | |
| Spec | ies | : Mouse | |
| Appli | cation Route | : Ingestion | |
| | sure time | : 103 weeks | |
| Meth | | | Guideline 451 |
| Resu | lit | : negative | |
| Magr | nesium oxide: | | |
| Spec | | : Mouse | |
| | cation Route | : Ingestion | |
| | sure time | : 96 weeks | |
| Resu Rema | | : negative : Based on da | ta from similar materials |
| Kenne | ains | . Dased on da | |
| | um [2-[(2,6-dichlorop | | yl]acetate: |
| Spec | | : Rat | |
| | cation Route | : Oral : 2 Years | |
| Resu | | : negative | |
| Spec | ies | : Mouse | |
| | | | 00 |



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| | | ition Route are time | : | Oral 2 Years negative | |
| | - | ductive toxicity Image fertility. May dar | nag | e the unborn child. | |
| | Compo | onents: | | | |
| | 2-Pyrro | olidone: | | | |
| | Effects | on fertility | : | Species: Rat Application Route Result: positive | eneration reproduction toxicity study : Ingestion on data from similar materials |
| | Effects | on fetal development | : | Test Type: Embry Species: Rat Application Route Result: positive | ro-fetal development : Ingestion |
| | Reproc sessme | luctive toxicity - As- ent | : | fertility, based on | adverse effects on sexual function and animal experiments., Clear evidence of n development, based on animal |
| | Oxytet | racycline: | | | |
| | - | on fertility | : | Species: Rat Application Route Fertility: NOAEL: Result: No effects | eneration reproduction toxicity study : Oral 18 mg/kg body weight s on fertility., No effect on reproduction ificant adverse effects were reported |
| | Effects | on fetal development | : | Species: Rat Application Route Embryo-fetal toxic | ro-fetal development : Oral city.: LOAEL: 48 mg/kg body weight ntation loss., Skeletal malformations. |
| | | | | Species: Rat Application Route General Toxicity M Embryo-fetal toxic Result: No teratog | Maternal: LOAEL: 1,200 mg/kg body weight city.: NOAEL: 1,500 mg/kg body weight |
| | | | | Test Type: Embry Species: Mouse Application Route | ro-fetal development : Oral |



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| | | | Embryo-fetal toxic Result: No teratog | Maternal: LOAEL: 1,325 mg/kg body weight city.: NOAEL: 2,100 mg/kg body weight genic effects. al toxicity observed. |
| | | | Species: Rabbit Application Route Embryo-fetal toxic | ro-fetal development : Intramuscular sity.: LOAEL: 41.5 mg/kg body weight ntation loss., No fetal abnormalities. |
| | | | Species: Dog Application Route Embryo-fetal toxic | ro-fetal development : Intramuscular city.: LOAEL: 20.75 mg/kg body weight nd visceral variations ., Postimplantation |
| Repro sessm | oductive toxicity - As- nent | : | Positive evidence human epidemiol | of adverse effects on development from ogical studies. |
| - | yl alcohol: s on fertility | : | Species: Rat Application Route Result: negative | y/early embryonic development : Ingestion on data from similar materials |
| Effect | s on fetal development | : | Test Type: Embry Species: Mouse Application Route Result: negative | ro-fetal development : Ingestion |
| Magn | esium oxide: | | | |
| _ | s on fertility | : | reproduction/deve Species: Rat Application Route Method: OECD To Result: negative | |
| Effect | s on fetal development | : | reproduction/deve Species: Rat Application Route Method: OECD To Result: negative | |



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| | Sodium | n [2-[(2,6-dichlorophe | nyl) | amino]phenyl]ac | etate: |
| | Effects | on fertility | : | Test Type: Fertility Species: Rat, mal Application Route Fertility: NOAEL: A Result: No effects | e and female : Oral 4 mg/kg body weight |
| | Effects | on fetal development | : | | |
| | | | | | |
| | Reprod sessme | uctive toxicity - As- ent | : | Suspected of dam | naging the unborn child. |
| | Sodium | n hydroxymethanesu | lphi | nate: | |
| | Effects | on fertility | : | | |
| | Effects | on fetal development | : | Test Type: Embry Species: Rat Application Route Method: OECD Te Result: positive | |
| | Reprod sessme | uctive toxicity - As- ent | : | Some evidence of animal experimen | f adverse effects on development, based on ts. |
| | OTOT - | | | | |

STOT-single exposure

Not classified based on available information.

STOT-repeated exposure

Not classified based on available information.

Components:

Sodium [2-[(2,6-dichlorophenyl)amino]phenyl]acetate:

| Target Organs | : | Gastrointestinal tract, Blood, lymphatic system, Liver, Prostate |
|---------------|---|--|
| Assessment | : | Causes damage to organs through prolonged or repeated |
| | | exposure. |

SAFETY DATA SHEET

according to the Hazardous Products Regulations



| <section-header> Sepesate dose toxicity Sepesate toxicity</section-header> | Version 3.10 | Revision Date: 09/28/2024 | - | OS Number: 13802-00019 | Date of last issue: 09/30/2023 Date of first issue: 02/20/2017 |
|---|-----------------|------------------------------|---|---------------------------|---|
| 2-Pyrrolidone: Species :: Rat MOAEL :: 207 mg/kg Application Route :: 10gestion Exposure time :: 3 Months Method :: OECD Test Guideline 408 Oxytetracycline: Species :: Rat LOAEL :: 198 mg/kg Application Route :: Oral Exposure time :: 13 Weeks Target Organs :: Rouse LOAEL :: 7.990 mg/kg Application Route : Oral Exposure time :: 3 Weeks Target Organs :: No significant adverse effects were reported Species : Dog MOAEL :: 250 mg/kg Application Route : Oral Exposure time :: 125 mg/kg Application Route : Dorg CAEL :: 250 mg/kg Application Route : Drag Application Route : | Repe | ated dose toxicity | | | |
| Species : Rat NOAEL : 207 mg/kg Application Route : Ingestion Exposure time : 3 Months Method : OECD Test Guideline 408 Oxytetracycline: . Species : Rat LOAEL : 198 mg/kg Application Route : Oral Exposure time : 13 Weeks Target Organs : Bone Remarks : No significant adverse effects were reported Species : Mouse LOAEL : 7,990 mg/kg Application Route : Oral Exposure time : 13 Weeks Target Organs : Bone Remarks : No significant adverse effects were reported Species : Dog NOAEL : 125 mg/kg LOAEL : 250 mg/kg Application Route : Oral Exposure time : 12 Months <t< td=""><td>Com</td><td>oonents:</td><td></td><td></td><td></td></t<> | Com | oonents: | | | |
| NOAEL : 207 mg/kg Application Route : Ingestion Exposure time : 3 Months Method : OECD Test Guideline 408 Oxytetracycline: Species : Rat LOAEL : 198 mg/kg Application Route : Oral Exposure time :: 13 Weeks Target Organs : Bone Remarks : No significant adverse effects were reported Species : Mouse LOAEL : 7,990 mg/kg Application Route : Oral Exposure time : 13 Weeks Target Organs : Bone Remarks : No significant adverse effects were reported Species : Dog NOAEL : 125 mg/kg LOAEL : 125 mg/kg LOAEL : 250 mg/kg Application Route : Oral Exposure time : 12 Months Target Organs : Testis Remarks : Significant toxicity observed in testing Species : Rat NOAEL : 40 mg/kg LOAEL : 140 | 2-Pyr | rolidone: | | | |
| NOAEL : 207 mg/kg Application Route : Ingestion Exposure time : 3 Months Method : OECD Test Guideline 408 Oxytetracycline: Species : Rat LOAEL : 198 mg/kg Application Route : Oral Exposure time :: 13 Weeks Target Organs : Bone Remarks : No significant adverse effects were reported Species : Mouse LOAEL : 7,990 mg/kg Application Route : Oral Exposure time : 13 Weeks Target Organs : Bone Remarks : No significant adverse effects were reported Species : Dog NOAEL : 125 mg/kg LOAEL : 125 mg/kg LOAEL : 250 mg/kg Application Route : Oral Exposure time : 12 Months Target Organs : Testis Remarks : Significant toxicity observed in testing Species : Rat NOAEL : 40 mg/kg LOAEL : 140 | Speci | es | : | Rat | |
| Exposure time : 3 Months Method : 0ECD Test Guideline 408 Oxytetracycline: | • | | : | 207 mg/kg | |
| Method : OECD Test Guideline 408 Oxytetracycline: : Species : Rat LOAEL : 198 mg/kg Application Route : Oral Exposure time : 1 3 Weeks Target Organs : Bone Remarks : No significant adverse effects were reported Species : Mouse LOAEL : 7,990 mg/kg Application Route : Oral Exposure time : 13 Weeks Target Organs : Bone Remarks : No significant adverse effects were reported Species : Dog NOAEL : 125 mg/kg Application Route : Oral Exposure time : 12 Months Target Organs : Testis Remarks : Significant toxicity observed in testing Species : Rat NOAEL : 100 mg/kg Application Route : Intraperitoneal Exposure time : I 42 Months Target Organs : Testis Remarks : Significant toxicity observed in testing Species : Rat <td>Applic</td> <td>cation Route</td> <td>:</td> <td>Ingestion</td> <td></td> | Applic | cation Route | : | Ingestion | |
| Oxytetracycline:Species:RatLOAEL:198 mg/kgApplication Route:OralExposure time:13 WeeksTarget Organs:BoneRemarks:No significant adverse effects were reportedSpecies:MouseLOAEL:7.990 mg/kgApplication Route:OralExposure time:13 WeeksTarget Organs:BoneRemarks:No significant adverse effects were reportedSpecies:DogMokeL::Species:DogNOAEL::Species:DogNOAEL::Species:DogNOAEL::Application Route:OralExposure time::Application Route:OralExposure time::Application Route::Species::MoAEL::MoAEL::Species::MoAEL::Species::Species::MoAEL::Species::MoAEL::MoAEL::Species::MoAEL::MoAEL::MoAEL:: <td>Expos</td> <td>sure time</td> <td>:</td> <td></td> <td></td> | Expos | sure time | : | | |
| Species:RatLOAEL:198 mg/kgApplication Route:Exposure time:13 WeeksTarget Organs:BoneRemarks:No significant adverse effects were reportedSpecies:LOAEL:CAEL:Application Route:OralExposure time:13 WeeksTarget Organs:BoneRemarks:No significant adverse effects were reportedSpecies:Species:Corpans:BoneRemarks:No AEL:250 mg/kgLOAEL:250 mg/kgLOAEL:250 mg/kgLOAEL:250 mg/kgLOAEL:250 mg/kgLOAEL:250 mg/kgApplication Route:CAEL:Species:RatNOAEL:MoAEL:MoAEL:MoAEL:MoAEL:Monore:Species:RatNOAEL:MoAEL:Monore:Species:RatNOAEL:Mohone:Species:RatNOAEL:Species:Rat | Metho | bd | : | OECD Test Gui | deline 408 |
| LÓAEL : 198 mg/kg Application Route : Oral Exposure time : 13 Weeks Target Organs : Bone Remarks : No significant adverse effects were reported Species : Mouse LOAEL : 7,990 mg/kg Application Route : Oral Exposure time : 13 Weeks Target Organs : Bone Remarks : No significant adverse effects were reported Species : Dog NOAEL : 125 mg/kg LOAEL : 250 mg/kg Application Route : Oral Exposure time : 12 Months Target Organs : Estis Remarks : Significant toxicity observed in testing Species : Rat NOAEL : 100 mg/kg Application Route : Intraperitoneal Exposure time : 14 Days Target Organs : Kidney Benzyl alcohol: Species : Rat NOAEL : 100 mg/kg Application Route : Intraperitoneal Exposure time : 28 Days Method : OECD Test Guideline 412 Magnesium oxide: | Oxyte | etracycline: | | | |
| LÓAEL : 198 mg/kg Application Route : Oral Exposure time : 13 Weeks Target Organs : Bone Remarks : No significant adverse effects were reported Species : Mouse LOAEL : 7,990 mg/kg Application Route : Oral Exposure time : 13 Weeks Target Organs : Bone Remarks : No significant adverse effects were reported Species : Dog NOAEL : 125 mg/kg LOAEL : 250 mg/kg Application Route : Oral Exposure time : 12 Months Target Organs : Estis Remarks : Significant toxicity observed in testing Species : Rat NOAEL : 100 mg/kg Application Route : Intraperitoneal Exposure time : 14 Days Target Organs : Kidney Benzyl alcohol: Species : Rat NOAEL : 100 mg/kg Application Route : Intraperitoneal Exposure time : 28 Days Method : OECD Test Guideline 412 Magnesium oxide: | Speci | es | : | Rat | |
| Application Route : Oral Exposure time : 13 Weeks Target Organs : Bone Remarks : No significant adverse effects were reported Species : Mouse LOAEL : 7,990 mg/kg Application Route : Oral Exposure time : 13 Weeks Target Organs : Bone Remarks : No significant adverse effects were reported Species : Dog Remarks : No significant adverse effects were reported Species : Dog NOAEL : 125 mg/kg LOAEL : 250 mg/kg Application Route : Oral Exposure time : 12 Months Target Organs : Testis Remarks : Significant toxicity observed in testing Species : Rat NOAEL : : LOAEL : : LOAEL : : </td <td>•</td> <td></td> <td>:</td> <td>198 mg/kg</td> <td></td> | • | | : | 198 mg/kg | |
| Exposure time: 13 WeeksTarget Organs:: BoneRemarks:: No significant adverse effects were reportedSpecies:: MouseLOAEL:: 7,990 mg/kgApplication Route:: OralExposure time:: 13 WeeksTarget Organs:: BoneRemarks:: No significant adverse effects were reportedSpecies:: DogNOAEL:: 125 mg/kgLOAEL:: 250 mg/kgApplication Route:: OralExposure time:: 12 MonthsTarget Organs:: TestisRemarks:: Significant toxicity observed in testingSpecies:: RatNOAEL:: 40 mg/kgLOAEL:: 000 mg/kgApplication Route:: IntraperitonealExposure time:: 14 DaysTarget Organs:: KidneyBenzyl alcohol::: No72 mg/lSpecies:: RatNOAEL:: 0.072 mg/lApplication Route:: IntraperitonealExposure time:: 28 DaysMethod:: 0ECD Test Guideline 412 | | | : | | |
| Remarks : No significant adverse effects were reported Species : Mouse LOAEL : 7,990 mg/kg Application Route : Oral Exposure time : 13 Weeks Target Organs : Bone Remarks : No significant adverse effects were reported Species : Dog NOAEL : 125 mg/kg LOAEL : 250 mg/kg LOAEL : 125 mg/kg LOAEL : 250 mg/kg Application Route : Oral Exposure time : 12 Months Target Organs : Testis Remarks : Significant toxicity observed in testing Species : Rat NOAEL : 40 mg/kg LOAEL : 100 mg/kg Application Route : Intraperitoneal Exposure time : 14 Days Target Organs : Kidney Benzyl alcohol: : <td< td=""><td>Expos</td><td>sure time</td><td>:</td><td>13 Weeks</td><td></td></td<> | Expos | sure time | : | 13 Weeks | |
| Species : Mouse LOAEL : 7,990 mg/kg Application Route : Oral Exposure time : 13 Weeks Target Organs : Bone Remarks : No significant adverse effects were reported Species : Dog NOAEL : 125 mg/kg LOAEL : 250 mg/kg Application Route : Oral Exposure time : 125 mg/kg LOAEL : 250 mg/kg Application Route : Oral Exposure time : 12 Months Target Organs : Testis Remarks : Significant toxicity observed in testing Species : Rat NOAEL : 100 mg/kg LOAEL : 100 mg/kg LOAEL : 100 mg/kg LOAEL : 14 Days Target Organs : Kidney Benzyl alcohol: : notalation (dust/mist/fume) | | | : | Bone | |
| LOAEL:7,990 mg/kgApplication Route:OralExposure time:13 WeeksTarget Organs:BoneRemarks:No significant adverse effects were reportedSpecies:DogNOAEL:125 mg/kgLOAEL:250 mg/kgApplication Route:OralExposure time:12 MonthsTarget Organs:TestisRemarks:Significant toxicity observed in testingSpecies:RatNOAEL:40 mg/kgLOAEL:100 mg/kgLOAEL:100 mg/kgApplication Route:IntraperitonealExposure timeExposure time:14 DaysTarget Organs:KidneyBenzyl alcohol::Species:RatNOAEL:1.072 mg/lApplication Route:inhalation (dust/mist/fume)Exposure time:28 DaysMethod:OECD Test Guideline 412 | Rema | arks | : | No significant ac | dverse effects were reported |
| LOAEL:7,990 mg/kgApplication Route:OralExposure time:13 WeeksTarget Organs:BoneRemarks:No significant adverse effects were reportedSpecies:DogNOAEL:125 mg/kgLOAEL:250 mg/kgApplication Route:OralExposure time:12 MonthsTarget Organs:TestisRemarks:Significant toxicity observed in testingSpecies:RatNOAEL:40 mg/kgLOAEL:100 mg/kgLOAEL:100 mg/kgApplication Route:IntraperitonealExposure timeExposure time:14 DaysTarget Organs:KidneyBenzyl alcohol::Species:RatNOAEL:1.072 mg/lApplication Route:inhalation (dust/mist/fume)Exposure time:28 DaysMethod:OECD Test Guideline 412 | Speci | es | : | Mouse | |
| Application Route:OralExposure time:13 WeeksTarget Organs:BoneRemarks:No significant adverse effects were reportedSpecies:DogNOAEL:125 mg/kgLOAEL:250 mg/kgApplication Route:OralExposure time:12 MonthsTarget Organs:TestisRemarks:Significant toxicity observed in testingSpecies:RatNOAEL:40 mg/kgLOAEL:100 mg/kgApplication Route:IntraperitonealExposure time:14 DaysTarget Organs:KidneyBenzyl alcohol::1.072 mg/lApplication Route:inhalation (dust/mist/fume)Exposure time:28 DaysMethod:OECD Test Guideline 412 | | | : | | |
| Exposure time:13 WeeksTarget Organs:BoneRemarks:No significant adverse effects were reportedSpecies:DogNOAEL:125 mg/kgLOAEL:250 mg/kgApplication Route:OralExposure time:12 MonthsTarget Organs:TestisRemarks:Significant toxicity observed in testingSpecies:RatNOAEL:40 mg/kgLOAEL:100 mg/kgApplication Route:Itarget Organs:Species:RatNOAELNOAEL:40 mg/kgLOAEL:10 Dog/kgApplication Route:IntraperitonealExposure time:::Species:::MOAEL:::::Species::: <tr< td=""><td>Applic</td><td>cation Route</td><td>:</td><td></td><td></td></tr<> | Applic | cation Route | : | | |
| Remarks : No significant adverse effects were reported Species : Dog NOAEL : 125 mg/kg LOAEL : 250 mg/kg Application Route : Oral Exposure time : 12 Months Target Organs : Testis Remarks : Significant toxicity observed in testing Species : Rat NOAEL : 40 mg/kg LOAEL : 100 mg/kg Application Route : Intraperitoneal Exposure time : 14 Days Target Organs : Kidney Benzyl alcohol: | | | : | 13 Weeks | |
| Species : Dog NOAEL : 125 mg/kg LOAEL : 250 mg/kg Application Route : Oral Exposure time : 12 Months Target Organs : Testis Remarks : Significant toxicity observed in testing Species : Rat NOAEL : 40 mg/kg LOAEL : 100 mg/kg Application Route : Intraperitoneal Exposure time : 14 Days Target Organs : Kidney Benzyl alcohol: | Targe | et Organs | : | Bone | |
| NOAEL : 125 mg/kg LOAEL : 250 mg/kg Application Route : Oral Exposure time : 12 Months Target Organs : Testis Remarks : Significant toxicity observed in testing Species : Rat NOAEL : 40 mg/kg LOAEL : 100 mg/kg Application Route : Intraperitoneal Exposure time : 14 Days Target Organs : Kidney Benzyl alcohol: : Species : Rat NOAEL : 0.72 mg/l Application Route : inhalation (dust/mist/fume) Exposure time : 28 Days Method : OECD Test Guideline 412 | Rema | arks | : | No significant ac | dverse effects were reported |
| NOAEL : 125 mg/kg LOAEL : 250 mg/kg Application Route : Oral Exposure time : 12 Months Target Organs : Testis Remarks : Significant toxicity observed in testing Species : Rat NOAEL : 40 mg/kg LOAEL : 100 mg/kg Application Route : Intraperitoneal Exposure time : 14 Days Target Organs : Kidney Benzyl alcohol: : Species : Rat NOAEL : 0.72 mg/l Application Route : inhalation (dust/mist/fume) Exposure time : 28 Days Method : OECD Test Guideline 412 | Speci | es | : | Dog | |
| Application Route:OralExposure time:12 MonthsTarget Organs:TestisRemarks:Significant toxicity observed in testingSpecies:RatNOAEL:40 mg/kgLOAEL:100 mg/kgApplication Route:IntraperitonealExposure time:14 DaysTarget Organs:KidneyBenzyl alcohol:Species:RatNOAEL:1.072 mg/lApplication Route:inhalation (dust/mist/fume)Exposure time:28 DaysMethod:OECD Test Guideline 412 | | | : | | |
| Exposure time: 12 MonthsTarget Organs: TestisRemarks: Significant toxicity observed in testingSpecies: RatNOAEL: 40 mg/kgLOAEL: 100 mg/kgApplication Route: IntraperitonealExposure time: 14 DaysTarget Organs: KidneyBenzyl alcohol:Species: RatNOAEL: 1.072 mg/lApplication Route: inhalation (dust/mist/fume)Exposure time: 28 DaysMethod: OECD Test Guideline 412 | LOAE | E | : | 250 mg/kg | |
| Target Organs: TestisRemarks: Significant toxicity observed in testingSpecies: RatNOAEL: 40 mg/kgLOAEL: 100 mg/kgApplication Route: IntraperitonealExposure time: 14 DaysTarget Organs: KidneyBenzyl alcohol:Species: RatNOAEL: 1.072 mg/lApplication Route: inhalation (dust/mist/fume)Exposure time: 28 DaysMethod: OECD Test Guideline 412 | | | : | Oral | |
| Remarks : Significant toxicity observed in testing Species : Rat NOAEL : 40 mg/kg LOAEL : 100 mg/kg Application Route : Intraperitoneal Exposure time : 14 Days Target Organs : Kidney Benzyl alcohol: . Species : Rat NOAEL : 1.072 mg/l Application Route : inhalation (dust/mist/fume) Exposure time : 28 Days Method : OECD Test Guideline 412 | | | : | 12 Months | |
| Species : Rat NOAEL : 40 mg/kg LOAEL : 100 mg/kg Application Route : Intraperitoneal Exposure time : 14 Days Target Organs : Kidney Benzyl alcohol: . . Species : Rat NOAEL : 1.072 mg/l Application Route : inhalation (dust/mist/fume) Exposure time : 28 Days Method : OECD Test Guideline 412 | | | : | | |
| NOAEL : 40 mg/kg LOAEL : 100 mg/kg Application Route : Intraperitoneal Exposure time : 14 Days Target Organs : Kidney Benzyl alcohol: Species : Rat NOAEL : 1.072 mg/l Application Route : inhalation (dust/mist/fume) Exposure time : 28 Days Method : OECD Test Guideline 412 | Rema | arks | : | Significant toxici | ity observed in testing |
| LOAEL : 100 mg/kg Application Route : Intraperitoneal Exposure time : 14 Days Target Organs : Kidney Benzyl alcohol: . Species : Rat NOAEL : 1.072 mg/l Application Route : inhalation (dust/mist/fume) Exposure time : 28 Days Method : OECD Test Guideline 412 | | | : | | |
| Application Route : Intraperitoneal Exposure time : 14 Days Target Organs : Kidney Benzyl alcohol: . . Species : Rat NOAEL : 1.072 mg/l Application Route : inhalation (dust/mist/fume) Exposure time : 28 Days Method : OECD Test Guideline 412 | | | : | | |
| Exposure time : 14 Days Target Organs : Kidney Benzyl alcohol: . Species : Rat NOAEL : 1.072 mg/l Application Route : inhalation (dust/mist/fume) Exposure time : 28 Days Method : OECD Test Guideline 412 | - | | : | | |
| Target Organs : Kidney Benzyl alcohol: | | | : | | |
| Benzyl alcohol: Species : Rat NOAEL : 1.072 mg/l Application Route : inhalation (dust/mist/fume) Exposure time : 28 Days Method : OECD Test Guideline 412 | | | : | • | |
| Species: RatNOAEL: 1.072 mg/lApplication Route: inhalation (dust/mist/fume)Exposure time: 28 DaysMethod: OECD Test Guideline 412 | Targe | et Organs | : | Kidney | |
| NOAEL : 1.072 mg/l Application Route : inhalation (dust/mist/fume) Exposure time : 28 Days Method : OECD Test Guideline 412 | Benz | yl alcohol: | | | |
| NOAEL : 1.072 mg/l Application Route : inhalation (dust/mist/fume) Exposure time : 28 Days Method : OECD Test Guideline 412 | Speci | es | : | Rat | |
| Exposure time : 28 Days Method : OECD Test Guideline 412 Magnesium oxide: | | | : | 1.072 mg/l | |
| Method : OECD Test Guideline 412 Magnesium oxide: | Applic | cation Route | : | | mist/fume) |
| Magnesium oxide: | | | : | | |
| - | Metho | bd | : | OECD Test Gui | deline 412 |
| - | Magn | esium oxide: | | | |
| | - | | • | Rat | |
| | 5900 | | • | | |



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| | ation Route sure time od | >= 1,000 mg/kg Ingestion 28 Days OECD Test Guideline 407 Based on data from similar materials | |
| Sodiu | m [2-[(2,6-dichloroph | enyl)amino]phenyl]acetate: | |
| Expos | | Rat 0.25 mg/kg Oral 98 w Gastrointestinal tract, Blood, lymphatic system, Liver, Plance | rostate |
| Expos | | : Dog : 1 mg/kg : Oral : 12 w : Blood | |
| Expos | EL L cation Route sure time t Organs | Baboon 0.5 mg/kg 5 mg/kg Oral 52 w Gastrointestinal tract, Blood constipation, Diarrhea | |
| Sodiu | m hydroxymethanes | Ilphinate: | |
| Specie NOAE Applic | es EL ation Route sure time | Rat 600 mg/kg Ingestion 13 Weeks OECD Test Guideline 408 | |
| • | ation toxicity assified based on avail | able information. | |
| Exper | ience with human ex | oosure | |
| <u>Comp</u> | oonents: | | |
| Oxyte Ingest | t racycline: ion | : Symptoms: Gastrointestinal disturbance, tooth discolora Remarks: May cause birth defects. | ition |
| Sodiu | m [2-[(2,6-dichloroph | enyl)amino]phenyl]acetate: | |
| Ingest | ion | : Symptoms: Abdominal pain, Diarrhea, constipation, hea Ulceration, Dizziness, Headache, Breathing difficulties, | |



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SECTION 12. ECOLOGICAL INFORMATION

| Ecotoxicity | | |
|---|---|--|
| Components: | | |
| 2-Pyrrolidone: Toxicity to fish | : | LC50 (Danio rerio (zebra fish)): > 4,600 - 10,000 mg/l Exposure time: 96 h Method: OECD Test Guideline 203 |
| Toxicity to daphnia and other aquatic invertebrates | : | EC50 (Daphnia magna (Water flea)): > 500 mg/l Exposure time: 48 h |
| Toxicity to algae/aquatic plants | : | ErC50 (Desmodesmus subspicatus (green algae)): > 500 mg/l Exposure time: 72 h |
| | | EC10 (Desmodesmus subspicatus (green algae)): 22.2 mg/l Exposure time: 72 h |
| Toxicity to microorganisms | : | EC50: > 1,000 mg/l Exposure time: 30 min Method: OECD Test Guideline 209 |
| Oxytetracycline: | | |
| Toxicity to fish | : | LC50 (Oryzias latipes (Japanese medaka)): 110 mg/l Exposure time: 96 h Method: OECD Test Guideline 203 |
| Toxicity to daphnia and other aquatic invertebrates | : | EC50 (Daphnia magna (Water flea)): 621 mg/l Exposure time: 48 h Method: OECD Test Guideline 202 |
| | | EC50 (Daphnia magna (Water flea)): 669 mg/l Exposure time: 48 h Method: OECD Test Guideline 202 |
| Toxicity to algae/aquatic plants | : | EC50 (Anabaena): 0.032 mg/l Exposure time: 72 h |
| | | NOEC (Anabaena): 0.0031 mg/l Exposure time: 72 h |
| Toxicity to microorganisms | : | EC50: 17.9 mg/l Exposure time: 3 h Test Type: Respiration inhibition Method: OECD Test Guideline 209 |
| | | NOEC: 0.2 mg/l Exposure time: 3 h |



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|--------------|---------------------------|--|-----|---|---|
| | | | | Test Type: Respir Method: OECD Te | |
| | Benzyl Toxicity | alcohol: to fish | : | LC50 (Pimephales Exposure time: 96 | s promelas (fathead minnow)): 460 mg/l i h |
| | | to daphnia and other invertebrates | : | EC50 (Daphnia m Exposure time: 48 Method: OECD Te | |
| | Toxicity plants | to algae/aquatic | : | EC50 (Pseudokiro mg/l Exposure time: 72 Method: OECD Te | |
| | | | | NOEC (Pseudokir mg/l Exposure time: 72 Method: OECD Te | |
| | | to daphnia and other invertebrates (Chron- ty) | : | NOEC (Daphnia n Exposure time: 21 Method: OECD Te | |
| | Magne | sium oxide: | | | |
| | Toxicity | | : | Exposure time: 96 | s promelas (fathead minnow)): > 100 mg/l 5 h on data from similar materials |
| | | to daphnia and other invertebrates | : | Exposure time: 48 | agna (Water flea)): > 100 mg/l h on data from similar materials |
| | Toxicity plants | to algae/aquatic | : | mg/l Exposure time: 72 Test substance: W Method: OECD Te | Vater Accommodated Fraction |
| | Toxicity | to microorganisms | : | Exposure time: 3 Method: OECD Te | |
| | Sodiun | n [2-[(2,6-dichlorophe | nyľ |)amino]phenvl]ac | etate: |
| | Toxicity | | : | | s promelas (fathead minnow)): 166.6 mg/l i h |



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|-----------------|--|------|--|---|
| | city to daphnia and other atic invertebrates | : | EC50 (Daphnia m Exposure time: 48 Method: OECD T | |
| Toxi plan | city to algae/aquatic ts | : | EC50 (Pseudokiro mg/l Exposure time: 72 Method: OECD T | |
| | | | NOEC (Pseudoki mg/l Exposure time: 72 Method: OECD T | |
| Toxi icity | city to fish (Chronic tox-) | : | NOEC (Pimephal Exposure time: 32 Method: OECD T | |
| aqua | city to daphnia and other atic invertebrates (Chron- xicity) | : | NOEC (Daphnia r Exposure time: 2 [/] Method: OECD T | |
| Sod | ium hydroxymethanesu | lphi | inate: | |
| | city to fish | : | | idus (Golden orfe)): > 10,000 mg/l S h |
| | city to daphnia and other atic invertebrates | : | EC50 (Daphnia m Exposure time: 48 Method: OECD T | |
| Toxi plan | city to algae/aquatic ts | : | ErC50 (Desmode Exposure time: 72 Method: OECD T | |
| | | | NOEC (Desmode Exposure time: 72 Method: OECD T | |
| Toxi icity | city to fish (Chronic tox- | : | NOEC (Danio reri Exposure time: 35 Method: OECD T | |
| aqua | city to daphnia and other atic invertebrates (Chron- xicity) | : | EC10 (Daphnia m Exposure time: 2 ⁻ Method: OECD T | |
| Тохі | city to microorganisms | : | NOEC: 10 mg/l Exposure time: 4 | h |

SAFETY DATA SHEET



according to the Hazardous Products Regulations

Oxytetracycline / Diclofenac Liquid Formulation

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|-----------------|---|------|--|---|
| Per | sistence and degradabi | lity | | |
| <u>Cor</u> | nponents: | | | |
| 2-P | yrrolidone: | | | |
| Biod | degradability | : | Result: Readily bi Remarks: Based o | odegradable. on data from similar materials |
| Ber | nzyl alcohol: | | | |
| Biod | degradability | : | Result: Readily bi Biodegradation: § Exposure time: 14 | 92 - 96 % |
| Soc | lium hydroxymethanesu | ılph | inate: | |
| | degradability | : | Result: Readily bi Biodegradation: 7 Exposure time: 28 | 77 % |
| Bio | accumulative potential | | | |
| <u>Cor</u> | nponents: | | | |
| 2-P | yrrolidone: | | | |
| | tition coefficient: n- anol/water | : | log Pow: -0.71 Method: OECD To | est Guideline 107 |
| Ber | nzyl alcohol: | | | |
| Par | tition coefficient: n- anol/water | : | log Pow: 1.05 | |
| Soc | lium [2-[(2,6-dichloroph | eny |)amino]phenyl]ac | etate: |
| | tition coefficient: n- anol/water | : | log Pow: 4.51 | |
| Soc | lium hydroxymethanesu | ılph | inate: | |
| | tition coefficient: n- anol/water | : | log Pow: < 0.3 | |
| | bility in soil data available | | | |
| • … | er adverse effects data available | | | |
| | N 13. DISPOSAL CONSI | DEF | ATIONS | |

| Disposal methods | |
|------------------|--|
|------------------|--|

Waste from residues

: Do not dispose of waste into sewer. Dispose of in accordance with local regulations.



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|----------------------------------|---|-----|---|--|
| Contar | minated packaging | : | handling site for r | should be taken to an approved waste ecycling or disposal. becified: Dispose of as unused product. |
| SECTION 1 | 14. TRANSPORT INFO | RM | ATION | |
| Interna | ational Regulations | | | |
| UNRT UN nu Proper | | : | N.O.S. | ALLY HAZARDOUS SUBSTANCE, LIQUID, |
| Labels | ng group nmentally hazardous | : | (oxytetracycline) 9 III 9 yes | |
| IATA-I UN/ID Proper | | : | UN 3082 Environmentally h (Oxytetracycline) | azardous substance, liquid, n.o.s. |
| Labels Packin | ig instruction (cargo | : | 9 Miscellaneous 964 | |
| ger air | g instruction (passen- | : | 964 yes | |
| IMDG- UN nu | Code | : | UN 3082 ENVIRONMENTA N.O.S. | ALLY HAZARDOUS SUBSTANCE, LIQUID, |
| Labels EmS C | | : | (Oxytetracycline) 9 III 9 F-A, S-F yes | |
| - | - | | | OL 73/78 and the IBC Code |
| • | plicable for product as stic regulation | sup | pilea. | |

Domestic regulation

| TDG | | |
|----------------------|---|---|
| UN number | : | UN 3082 |
| Proper shipping name | : | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. |
| | | (Oxytetracycline) |
| Class | : | 9 |
| Packing group | : | III |



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| Labe | ls | : 9 | |

Labels.9ERG Code:171Marine pollutant:yes(Oxytetracycline)

Special precautions for user

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

SECTION 15. REGULATORY INFORMATION

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

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

SECTION 16. OTHER INFORMATION

Full text of other abbreviations

| ACGIH CA AB OEL | : | USA. ACGIH Threshold Limit Values (TLV) Canada. Alberta, Occupational Health and Safety Code (table 2: OEL) |
|--------------------|---|---|
| CA BC OEL | : | Canada. British Columbia OEL |
| CA QC OEL | : | Québec. Regulation respecting occupational health and safe- ty, Schedule 1, Part 1: Permissible exposure values for air- borne contaminants |
| ACGIH / TWA | : | 8-hour, time-weighted average |
| CA AB OEL / TWA | : | 8-hour Occupational exposure limit |
| CA BC OEL / TWA | : | 8-hour time weighted average |
| CA BC OEL / STEL | : | short-term exposure limit |
| CA QC OEL / TWAEV | : | Time-weighted average exposure value |

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration 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; ERG - Emergency Response Guide; 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 Con-



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centration 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; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; 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; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; 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; WHMIS - Workplace Hazardous Materials Information System

| Sources of key data used to compile the Material Safety Data Sheet | : | Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, http://echa.europa.eu/ |
|--|---|--|
| Revision Date Date format | : | 09/28/2024 mm/dd/yyyy |

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. 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.

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