

| Version | Revision Date: | SDS Number: | Date of last issue: 2024/05/01 |
|---------|----------------|--------------|---------------------------------|
| 7.0 | 2024/07/06 | 407511-00025 | Date of first issue: 2016/01/07 |

1. PRODUCT AND COMPANY IDENTIFICATION

| Product name | : | Prednisolone / Neomycin / Tetracycline / Bacitracin Formulation | | | | |
|---|------------------------------------|---|--|--|--|--|
| •• | Manufacturer or supplier's details | | | | | |
| Company | • | MSD | | | | |
| Address | : | 126 E. Lincoln Avenue Rahway, New Jersey U.S.A. 07065 | | | | |
| Telephone | : | 908-740-4000 | | | | |
| Emergency telephone number | : | 1-908-423-6000 | | | | |
| E-mail address | : | EHSDATASTEWARD@msd.com | | | | |
| Recommended use of the chemical and restrictions on use | | | | | | |
| Recommended use Restrictions on use | : | Veterinary product Not applicable | | | | |

2. HAZARDS IDENTIFICATION

| GHS Classification Skin sensitisation | : | Category 1 |
|--|---|---|
| Reproductive toxicity | : | Category 1A |
| Effects on or via lactation | | |
| Short-term (acute) aquatic hazard | : | Category 1 |
| Long-term (chronic) aquatic hazard | : | Category 1 |
| GHS label elements | | |
| Hazard pictograms | : | |
| Signal word | : | Danger |
| Hazard statements | : | H317 May cause an allergic skin reaction. H360D May damage the unborn child. |



Prednisolone / Neomycin / Tetracycline / Bacitracin Formulation

| Version 7.0 | Revision Date: 2024/07/06 | SDS Number: 407511-00025 | Date of last issue: 2024/05/01 Date of first issue: 2016/01/07 |
|----------------|---------------------------|---|---|
| | | | e harm to breast-fed children. to aquatic life with long lasting effects. |
| Precau | utionary statements | P202 Do not har and understood. P261 Avoid brea P263 Avoid cont P264 Wash skin P270 Do not eat P272 Contamina the workplace. P273 Avoid relea | athing mist or vapours. act during pregnancy/ while nursing. thoroughly after handling. , drink or smoke when using this product. ated work clothing should not be allowed out of ase to the environment. ective gloves/ protective clothing/ eye protec- |
| | | P308 + P313 IF attention. P333 + P313 If s vice/ attention. P362 + P364 Ta reuse. P391 Collect spi | ON SKIN: Wash with plenty of water. exposed or concerned: Get medical advice/ skin irritation or rash occurs: Get medical ad- ke off contaminated clothing and wash it before llage. |
| | | Storage: P405 Store lock | ed up. |
| | | Disposal: P501 Dispose of disposal plant. | f contents/ container to an approved waste |

Other hazards which do not result in classification

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

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

Components

| Chemical name | CAS-No. | Concentration (% w/w) |
|-------------------------------|-----------|-----------------------|
| White mineral oil (petroleum) | 8042-47-5 | >= 60 -<= 100 |
| Neomycin, sulfate (salt) | 1405-10-3 | >= 3 -< 10 |
| Magnesium stearate | 557-04-0 | < 10 |
| tetracycline hydrochloride | 64-75-5 | >= 0.3 -< 2.5 |
| Bacitracin | 1405-87-4 | >= 0.25 -< 1 |
| prednisolone | 50-24-8 | >= 0.025 -< 0.25 |



| Version | Revision Date: | SDS Number: | Date of last issue: 2024/05/01 |
|---------|----------------|--------------|---------------------------------|
| 7.0 | 2024/07/06 | 407511-00025 | Date of first issue: 2016/01/07 |

4. FIRST AID MEASURES

| General advice | : | In the case of accident or if you feel unwell, seek medical ad- vice immediately. When symptoms persist or in all cases of doubt seek medical advice. |
|---|---|---|
| If inhaled | : | If inhaled, remove to fresh air. Get medical attention. |
| In case of skin contact | : | In case of contact, immediately flush skin with soap and plenty of water. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse. |
| In case of eye contact | : | Flush eyes with water as a precaution. Get medical attention if irritation develops and persists. |
| If swallowed | : | If swallowed, DO NOT induce vomiting. Get medical attention. Rinse mouth thoroughly with water. |
| Most important symptoms and effects, both acute and delayed Protection of first-aiders | | May cause an allergic skin reaction. May damage the unborn child. May cause harm to breast-fed children. 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). |
| Notes to physician | : | Treat symptomatically and supportively. |

5. FIREFIGHTING 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) Chlorine compounds Metal oxides |
| 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 firefighters | : | In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment. |



| Version | Revision Date: 2024/07/06 | SDS Number: | Date of last issue: 2024/05/01 |
|---------|---------------------------|--------------|---------------------------------|
| 7.0 | | 407511-00025 | Date of first issue: 2016/01/07 |
| - | | | |

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 pro- tective 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 dyking or other appropriate contain- ment to keep material from spreading. If dyked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absor- bent. Local or national regulations may apply to releases and dis- posal of this material, as well as those materials and items employed in the cleanup of releases. You will need to deter- mine which regulations are applicable. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements. |

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 | : | Avoid contact during pregnancy and while nursing. Do not get on skin or clothing. Do not breathe mist or vapours. Do not swallow. Avoid contact with eyes. Wash skin thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure as- sessment Keep container tightly closed. Do not eat, drink or smoke when using this product. Take care to prevent spills, waste and minimize release to the environment. |
| Conditions for safe storage | : | Keep in properly labelled containers. Store locked up. Keep tightly closed. |



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| Version | Revision Date: | SDS Number: | Date of last issue: 2024/05/01 |
|---------|----------------|--------------|---------------------------------|
| 7.0 | 2024/07/06 | 407511-00025 | Date of first issue: 2016/01/07 |

Materials to avoid

Store in accordance with the particular national regulations. Do not store with the following product types: Strong oxidizing agents

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

| Components | CAS-No. | Value type (Form of | Control parame- ters / Permissible | Basis | |
|-------------------------------|---|--|---------------------------------------|----------|--|
| | | exposure) | concentration | | |
| White mineral oil (petroleum) | 8042-47-5 | NAB (Mist) | 5 mg/m3 | ID OEL | |
| | | PSD (Mist) | 10 mg/m3 | ID OEL | |
| | | TWA (Inhal- | 5 mg/m3 | ACGIH | |
| | | able particu- | | | |
| | | late matter) | | | |
| Neomycin, sulfate (salt) | 1405-10-3 | TWA | 1 mg/m3 (OEB 1) | Internal | |
| | Further inform | nation: DSEN, O | ГО | | |
| | | Wipe limit | 0.1 mg/100 cm ² | Internal | |
| Magnesium stearate | 557-04-0 | NAB | 10 mg/m3 | ID OEL | |
| | Further information: Not classified as carcinogenic to humans. N enough data to classify these materials as carcinogenic to hu- mans or animals | | | | |
| | | TWA (Inhal- able particu- late matter) | 10 mg/m3 | ACGIH | |
| | | TWA (Res- pirable par- ticulate mat- ter) | 3 mg/m3 | ACGIH | |
| tetracycline hydrochloride | 64-75-5 | TWA | 0.9 mg/m3 (OEB 2) | Internal | |
| Bacitracin | 1405-87-4 | TWA | 4 mg/m3 (OEB 1) | Internal | |
| | Further information: DSEN, RSEN | | | | |
| | | Wipe limit | 0.1 mg/100 cm ² | Internal | |
| prednisolone | 50-24-8 | TWA | 10 µg/m3 (OEB 3) | Internal | |
| · | | Wipe limit | 100 µg/100 cm ² | Internal | |

Components with workplace control parameters

Engineering measures

Use appropriate engineering controls and manufacturing technologies to control airborne concentrations (e.g., dripless 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. Containment technologies suitable for controlling compounds are required to control at source and to prevent migration of the compound to uncontrolled areas (e.g., open-face containment devices).

Minimize open handling.

:



| 7.0 2024/07/06 407511-00025 Date of first issue: 2016/01/07 | Version 7.0 | Revision Date: 2024/07/06 | SDS Number: 407511-00025 | Date of last issue: 2024/05/01 Date of first issue: 2016/01/07 |
|---|----------------|---------------------------|-----------------------------|---|
|---|----------------|---------------------------|-----------------------------|---|

Personal protective equipment

| Despiratory protection | If adaguate level exhaust ventilation is not available or even |
|----------------------------------|---|
| Respiratory protection : | If adequate local exhaust ventilation is not available or expo- sure assessment demonstrates exposures outside the rec- ommended guidelines, use respiratory protection. |
| Filter type : Hand protection | Combined particulates and organic vapour type |
| Material : | Chemical-resistant gloves |
| Remarks : Eye protection : | Consider double gloving. 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 : | Work uniform or laboratory coat. Additional body garments should be used based upon the task being performed (e.g., sleevelets, apron, gauntlets, dis- posable suits) to avoid exposed skin surfaces. Use appropriate degowning techniques to remove potentially contaminated clothing. |
| Hygiene measures : | If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the work- ing 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. The effective operation of a facility should include review of engineering controls, proper personal protective equipment, appropriate degowning and decontamination procedures, industrial hygiene monitoring, medical surveillance and the use of administrative controls. |

9. PHYSICAL AND CHEMICAL PROPERTIES

| Appearance | : | oily, suspension |
|---|---|-------------------|
| Colour | : | No data available |
| Odour | : | No data available |
| Odour Threshold | : | No data available |
| рН | : | No data available |
| Melting point/freezing point | : | No data available |
| Initial boiling point and boiling range | : | No data available |



Prednisolone / Neomycin / Tetracycline / Bacitracin Formulation

| Versi 7.0 | ion | Revision Date: 2024/07/06 | | S Number: 7511-00025 | Date of last issue: 2024/05/01 Date of first issue: 2016/01/07 |
|--------------|----------------------|---|---|-------------------------|---|
| | | | | | |
| | Flash po | oint | : | No data available | 9 |
| | Evapora | ation rate | : | No data available |) |
| | Flamma | ability (solid, gas) | : | Not applicable | |
| | Flamma | ability (liquids) | : | No data available | 9 |
| | | explosion limit / Upper bility limit | : | No data available | |
| | | explosion limit / Lower bility limit | : | No data available | 9 |
| , | Vapour | pressure | : | No data available | 9 |
| | Relative | e vapour density | : | No data available | 9 |
| | Relative | edensity | : | No data available | 9 |
| | Density | | : | No data available | 9 |
| : | Solubilit Wate | y(ies) er solubility | : | No data available | 9 |
| | | coefficient: n- | : | Not applicable | |
| | octanol/ Auto-igr | water nition temperature | : | No data available | 9 |
| | Decomp | oosition temperature | : | No data available | 9 |
| , | Viscosit Visco | y osity, kinematic | : | No data available | 9 |
| | Explosiv | ve properties | : | Not explosive | |
| | | ig properties ar weight | : | The substance o | r mixture is not classified as oxidizing. |
| | Particle Particle | characteristics size | : | Not applicable | |

10. STABILITY AND REACTIVITY

| Reactivity | : | Not classified as a reactivity hazard. |
|--------------------|---|--|
| Chemical stability | : | Stable under normal conditions. |



| Version 7.0 | Revision Date: 2024/07/06 | | 9S Number: 7511-00025 | Date of last issue: 2024/05/01 Date of first issue: 2016/01/07 |
|------------------------|--|-------|---|---|
| tions Conc Incor | ditions to avoid npatible materials ardous decomposition | : : : | None known. Oxidizing age | h strong oxidizing agents. ents s decomposition products are known. |
| 11. TOXI | COLOGICAL INFORMAT | ΓΙΟΙ | N | |
| Infor expo | mation on likely routes of sure | : | Inhalation Skin contact Ingestion Eye contact | |
| | e toxicity classified based on availa | ble | information. | |
| Com | ponents: | | | |
| Whit | e mineral oil (petroleum | า): | | |
| Acut | e oral toxicity | : | LD50 (Rat): > | 5,000 mg/kg |
| Acut | e inhalation toxicity | : | LC50 (Rat): > Exposure time Test atmosphe Assessment: T tion toxicity | : 4 h |
| Acut | e dermal toxicity | : | | : > 2,000 mg/kg The substance or mixture has no acute dermal |
| Neor | nycin, sulfate (salt): | | | |
| | e oral toxicity | : | LD50 (Mouse) | : 2,880 mg/kg |
| | | | LD50 (Rat): 2, | 750 mg/kg |
| | e toxicity (other routes of nistration) | : | LD50 (Rat): 63 Application Ro | 33 mg/kg bute: Subcutaneous |
| | | | LD50 (Mouse) Application Ro | : 116 mg/kg oute: Intraperitoneal |
| | | | LD50 (Mouse) Application Ro | : 27.6 mg/kg bute: Intravenous |
| | | | LD50 (Mouse) Application Ro | : 275 mg/kg oute: Subcutaneous |
| | | | | |

Magnesium stearate:



Prednisolone / Neomycin / Tetracycline / Bacitracin Formulation

| ersion 0 | Revision Date: 2024/07/06 | | 9S Number: 7511-00025 | Date of last issue: 2024/05/01 Date of first issue: 2016/01/07 | | |
|------------------------|--|-----|---|---|--|--|
| Acute | oral toxicity | : | icity | | | |
| Acute dermal toxicity | | | LD50 (Rabbit): > 2,000 mg/kg Remarks: Based on data from similar materials | | | |
| | ycline hydrochloride: oral toxicity | : | LD50 (Rat): 6,443 LD50 (Mouse): 2, | | | |
| | toxicity (other routes of istration) | : | | ng/kg | | |
| | | | LD50 (Mouse): 15 Application Route | | | |
| Bacitr Acute | r acin: oral toxicity | : | LD50 (Mouse): > Remarks: Based | 2,000 mg/kg on data from similar materials | | |
| • | isolone: | | | | | |
| Acute | oral toxicity | : | LD50 (Mouse): 1, LD50 (Rat): > 3,8 | | | |
| Acute | inhalation toxicity | : | Remarks: No data | | | |
| Acute | dermal toxicity | : | Remarks: No data | a available | | |
| | toxicity (other routes of istration) | : | LD50 (Rat): 147 n Application Route | | | |
| | | | LD50 (Mouse): 76 Application Route | | | |
| | corrosion/irritation | bla | information | | | |
| | onents: | ne | | | | |

White mineral oil (petroleum):

| Species | : | Rabbit |
|---------|---|--------------------|
| Result | : | No skin irritation |



| ersion 0 | Revision Date: 2024/07/06 | | DS Number: 7511-00025 | Date of last issue: 2024/05/01 Date of first issue: 2016/01/07 |
|-------------|---------------------------|--------|--------------------------|---|
| | | | | |
| Neor | nycin, sulfate (salt): | | | |
| Spec | | | Rabbit | |
| Resu | | : | Mild skin irritation | 1 |
| Magr | nesium stearate: | | | |
| Spec | | : | Rabbit | |
| Resu | | : | No skin irritation | |
| Rema | arks | | Based on data fro | om similar materials |
| | cycline hydrochloride | | | |
| Rema | arks | : | No data available | |
| - | nisolone: | | | |
| Rema | arks | : | No data available | 9 |
| Serio | ous eye damage/eye ir | ritati | on | |
| Not c | lassified based on avai | lable | information. | |
| Com | ponents: | | | |
| White | e mineral oil (petroleu | m): | | |
| Spec | ies | : | Rabbit | |
| Resu | lt | : | No eye irritation | |
| Neor | nycin, sulfate (salt): | | | |
| Spec | ies | : | Rabbit | |
| Resu | lt | : | No eye irritation | |
| Magr | nesium stearate: | | | |
| Spec | | : | Rabbit | |
| Resu | | : | No eye irritation | |
| Rema | arks | : | Based on data fro | om similar materials |
| tetra | cycline hydrochloride | : | | |
| Rema | arks | : | No data available |) |
| pred | nisolone: | | | |
| Rema | | : | No data available | 9 |
| Resp | iratory or skin sensiti | satio | on | |
| Skin | sensitisation | | | |
| May | cause an allergic skin re | eactio | on. | |
| | | | | |



| Version | Revision Date: 2024/07/06 | SDS Number: | Date of last issue: 2024/05/01 |
|---------|---------------------------|--------------|---------------------------------|
| 7.0 | | 407511-00025 | Date of first issue: 2016/01/07 |
| | | | |

Respiratory sensitisation

Not classified based on available information.

Components:

| Buehler Test |
|---|
| Skin contact |
| Guinea pig |
| negative |
| |
| |
| Dermal |
| Humans |
| positive |
| |
| Maximisation Test |
| Skin contact |
| Guinea pig |
| OECD Test Guideline 406 |
| negative |
| Based on data from similar materials |
| |
| No data available |
| |
| |
| Human repeat insult patch test (HRIPT) |
| Skin contact |
| positive |
| Probability or evidence of skin sensitisation in humans |
| |
| |
| No data available |
| |
| |
| e information. |
| |
| |
| Test Type: In vitro mammalian cell gene mutation test |
| Result: negative |
| Test Type: Mammalian erythrocyte micronucleus test (in vivo |
| |
| |



| Version 7.0 | Revision Date: 2024/07/06 | | DS Number: 17511-00025 | Date of last issue: 2024/05/01 Date of first issue: 2016/01/07 |
|----------------|---------------------------|---|---|--|
| | | | Method: OECD To Result: negative | : Intraperitoneal injection |
| Neo | mycin, sulfate (salt): | | | |
| | otoxicity in vitro | : | Test Type: Bacter Result: negative | rial reverse mutation assay (AMES) |
| | | | | o mammalian cell gene mutation test nese hamster ovary cells |
| | | | Test Type: Chrom Test system: Hum Result: positive | nosomal aberration nan lymphocytes |
| | | | Test Type: in vitro Result: negative | o micronucleus test |
| Gen | otoxicity in vivo | : | Test Type: Cytoge Species: Mouse Cell type: Bone m Application Route Result: negative | |
| Mag | nesium stearate: | | | |
| - | otoxicity in vitro | : | Result: negative | o mammalian cell gene mutation test on data from similar materials |
| | | | Method: OECD To Result: negative | nosome aberration test in vitro est Guideline 473 on data from similar materials |
| | | | Result: negative | rial reverse mutation assay (AMES) on data from similar materials |
| totra | acycline hydrochloride: | | | |
| | otoxicity in vitro | : | Test Type: Bacter Result: negative | rial reverse mutation assay (AMES) |
| | | | Test Type: Cytoge Test system: Chir Result: negative | enetic assay nese hamster ovary cells |
| | | | 10/07 | |



| ersion) | Revision Date: 2024/07/06 | SDS Number: 407511-00025 | Date of last issue: 2024/05/01 Date of first issue: 2016/01/07 |
|-----------------------|--------------------------------|--|--|
| | | | |
| | | Test Type: sist Result: negativ | ter chromatid exchange assay ve |
| | | Test Type: Mo Result: negativ | use Lymphoma ve |
| Bacit | racin: | | |
| Genotoxicity in vitro | Result: negativ | cterial reverse mutation assay (AMES) ve ed on data from similar materials | |
| | | Result: negativ | vitro mammalian cell gene mutation test ve ed on data from similar materials |
| | | Result: negativ | romosome aberration test in vitro ve ed on data from similar materials |
| prodr | vicelene | | |
| - | nisolone: toxicity in vitro | : Test Type: Ba Result: negativ | cterial reverse mutation assay (AMES) ve |
| | | Test Type: Mo Result: negativ | use Lymphoma ve |
| | | Test Type: sist Result: negativ | ter chromatid exchange assay ve |
| Geno | toxicity in vivo | : Test Type: Ma cytogenetic as Species: Rat Application Ro Result: negativ | oute: Oral |
| | | Test Type: sis Species: Hum Result: negativ | |

Components:

White mineral oil (petroleum):

| Species | : | Rat |
|-------------------|---|-----------|
| Application Route | : | Ingestion |
| Exposure time | : | 24 Months |



| ersion) | Revision Date: 2024/07/06 | SDS Number: 407511-00025 | Date of last issue: 2024/05/01 Date of first issue: 2016/01/07 |
|-------------|---|-----------------------------|---|
| | | | |
| Resul | t | : negative | |
| Neom | nycin, sulfate (salt): | | |
| Speci | | : Rat | |
| | sure time | : 2 Years | |
| Resul | | : negative | |
| tetrac | cycline hydrochlorid | e: | |
| Speci | es | : Rat | |
| | cation Route | : Oral | |
| Expos | sure time | : 103 W | |
| Resul | t | : negative | |
| Speci | es | : Mouse | |
| | cation Route | : Oral | |
| Expos | sure time | : 103 W | |
| Resul | t | : negative | |
| predr | nisolone: | | |
| Speci | es | : Rat | |
| Applic | cation Route | : Oral | |
| Expos | sure time | : 18 Months | |
| Resul | t | : negative | |
| Repro | oductive toxicity | | |
| | lamage the unborn ch ause harm to breast-f | | |
| <u>Comp</u> | oonents: | | |
| White | e mineral oil (petrole | um): | |
| Effect | s on fertility | | -generation reproduction toxicity study |
| | - | Species: Rat | |
| | | | ite: Skin contact |
| | | Result: negative | 9 |
| Effect | s on foetal develop- | | oryo-foetal development |
| ment | | Species: Rat | |
| | | Application Rou | |
| | | Result: negative | 9 |
| Neom | nycin, sulfate (salt): | | |
| Effect | s on fertility | | e-generation reproduction toxicity study |
| | | Species: Rat | |
| | | Application Rou | |
| | | | y - Parent: NOAEL: 25 mg/kg body weigl |
| | | Result: NO effec | cts on fertility and early embryonic develo |
| | | ment were dete | at a d |



| Version 7.0 | Revision Date: 2024/07/06 | | 0S Number: 7511-00025 | Date of last issue: 2024/05/01 Date of first issue: 2016/01/07 |
|----------------|------------------------------------|---|---|---|
| | | | | |
| | Effects on foetal develop- ment | | Species: Rat Application Route Embryo-foetal tox | o-foetal development : Oral icity: NOAEL: 275 mg/kg body weight se effects, No teratogenic effects |
| | | | Test Type: Develor Species: Rat Application Route Developmental To Result: positive | |
| Repr sessi | oductive toxicity - As- nent | : | Some evidence o animal experimen | f adverse effects on development, based on ts. |
| Magi | nesium stearate: | | | |
| - | ts on fertility | : | reproduction/deve Species: Rat Application Route Method: OECD T Result: negative | |
| | Effects on foetal develop- ment | | Species: Rat Application Route Result: negative | o-foetal development : Ingestion on data from similar materials |
| tetra | cycline hydrochloride: | | | |
| | ts on fertility | : | Test Type: Fertilit Species: Rat Application Route Fertility: NOAEL: Result: No effects | : Oral 400 mg/kg body weight |
| Effec ment | ts on foetal develop- | : | : Test Type: Development Result: Embryo-foetal toxicity, Specific developmental abno malities, Skeletal malformations | |
| Repr sessi | oductive toxicity - As- nent | : | : Studies indicating a hazard to babies during the lactation pe od, May damage the unborn child. | |
| Baci | tracin: | | | |
| Effec | ts on fertility | : | Test Type: Fertilit Species: Rat Application Route | y/early embryonic development : Ingestion |



| ersion 0 | Revision Date: 2024/07/06 | SDS Number: 407511-00025 | Date of last issue: 2024/05/01 Date of first issue: 2016/01/07 | | |
|-----------------|--|---|---|--|--|
| | | | sed on data from similar materials | | |
| Effect: ment | s on foetal develop- | Species: Rat Application R Result: negat | | | |
| predn | isolone: | | | | |
| Effects | s on fertility | Species: Rat Application R Fertility: NOA | ertility/early embryonic development oute: Subcutaneous EL: 1 mg/kg body weight fects on fertility | | |
| Effect: ment | s on foetal develop- | Species: Mou Application R Development | | | |
| | | Species: Rat Application R Development | nbryo-foetal development oute: Oral al Toxicity: LOAEL: 30 mg/kg body weight ased blood formation | | |
| | | Development | oute: Subcutaneous al Toxicity: NOAEL: 25 mg/kg body weight fects on foetal development | | |
| Repro sessm | ductive toxicity - As- nent | : Some eviden animal experi | ce of adverse effects on development, based o ments. | | |
| | - single exposure assified based on avai | able information. | | | |
| | - repeated exposure assified based on avai | able information. | | | |
| Comp | oonents: | | | | |

| Target Organs | : | Kidney, inner ear |
|---------------|---|--|
| Assessment | : | May cause damage to organs through prolonged or repeated |
| | | exposure. |
| Remarks | : | Based on human experience. |
| | | |



| Versior 7.0 | | evision Date: 024/07/06 | | 9S Number: 7511-00025 | Date of last issue: 2024/05/01 Date of first issue: 2016/01/07 | | |
|----------------------|--|----------------------------|---|---|--|--|--|
| Ex Ta | tracyclin xposure i arget Org ssessme | jans | • | | act, Nervous system, Skin, Teeth ge to organs through prolonged or repeated | | |
| | acitracir ssessme | | : | No significant hea tions of 100 mg/kg | alth effects observed in animals at concentra- g bw or less. | | |
| Ta | r ednisol arget Org ssessme | jans | : | Bone marrow, Ad Causes damage t exposure. | renal gland, Liver o organs through prolonged or repeated | | |
| Re | epeated | dose toxicity | | | | | |
| <u>Cc</u> | ompone | <u>nts:</u> | | | | | |
| W | hite min | eral oil (petroleum | ו): | | | | |
| LĊ Ap | becies DAEL oplicatior xposure t | | : | Rat 160 mg/kg Ingestion 90 Days | | | |
| LĊ Ap Ex | Decies DAEL Oplicatior Xposure 1 ethod | | Bo Days Rat >= 1 mg/l inhalation (dust/mist/fume) 4 Weeks OECD Test Guideline 412 | | | | |
| Ne | eomycin | , sulfate (salt): | | | | | |
| LĊ Ap Ex | Decies DAEL Oplicatior Aposure f Arget Org | time | : Mouse : 30 mg/kg : Subcutaneous : 14 d : Kidney | | | | |
| NC LC Ap Ex | Decies OAEL DAEL oplication xposure t arget Org | time | Guinea pig 50 mg/kg 100 mg/kg Intramuscular 30 - 60 Weeks ear | | | | |
| Ň | oecies OAEL oplicatior | n Route | : Guinea pig : 10 mg/kg : Oral | | | | |



| Version 7.0 | Revision Date: 2024/07/06 | | DS Number: 17511-00025 | Date of last issue: 2024/05/01 Date of first issue: 2016/01/07 |
|--|---|---|--|---|
| | | | | |
| Exposu Remarl | | : | 90 d No significant adv | verse effects were reported |
| Exposu Species LOAEL Applica | tion Route ire time s | : | Guinea pig 100 mg/kg Subcutaneous 34 d Dog 24 mg/kg Intramuscular 30 d | |
| | Organs | : | Kidney | |
| Exposu | tion Route ire time Organs oms | : | Rat 25 mg/kg oral (feed) 84 Weeks ear hearing loss mortality observed | d |
| Exposu | | : | Dog 20 mg/kg Subcutaneous 90 d Kidney | |
| Species NOAEL Applica | - tion Route ire time | | Rat > 100 mg/kg Ingestion 90 Days Based on data fro | om similar materials |
| Species NOAEL LOAEL Applica Exposu Target Sympto Species NOAEL LOAEL Applica | tion Route time Organs oms | | Rat 625 mg/kg 1,250 mg/kg oral (feed) 13 W Liver Reduced body we Mouse 3,750 mg/kg 7,500 mg/kg oral (feed) 13 W | eight |



| rsion | Revision Date: 2024/07/06 | SDS Number: 407511-00025 | Date of last issue: 2024/05/01 Date of first issue: 2016/01/07 |
|-------------|---------------------------|--------------------------------|---|
| | | | |
| _ | | | |
| Symp | toms | : Reduced body | weight |
| Bacit | racin: | | |
| Speci | es | : Rat | |
| LOAE | | : > 10 mg/kg | |
| | cation Route | : Ingestion | |
| | sure time | : 13 Weeks | · · · · · · · · · |
| Rema | Irks | : Based on data | from similar materials |
| predr | nisolone: | | |
| Speci | | : Rat | |
| LÕAE | | : 0.6 mg/kg | |
| | cation Route | : Oral | |
| | sure time | : 63 Days | |
| Targe | et Organs | : Bone marrow | |
| Speci | | : Dog | |
| LOAE | | : 2.5 mg/kg | |
| | cation Route | : Oral | |
| | sure time | : 6 Weeks | |
| Targe | et Organs | : Adrenal gland | |
| Speci | | : Rabbit | |
| LOAE | | : 1 mg/kg | |
| | cation Route | : Oral | |
| | sure time | : 24 Weeks | |
| rarge | t Organs | : Liver | |
| Aspir | ation toxicity | | |
| Not cl | assified based on av | ailable information. | |
| <u>Comp</u> | ponents: | | |
| tetrac | cycline hydrochlorid | le: | |
| Not a | pplicable | | |
| Expe | rience with human e | exposure | |
| Comp | oonents: | | |
| | nycin, sulfate (salt): | | |
| | contact | · Cumptomo: Co | nsitication |
| SKIN (| ontact | : Symptoms: Se Remarks: May | |
| Evelo | ontact | | cause eye irritation. |
| Ingest | | | usea, Vomiting, Diarrhoea, tinnitus, hear |
| 5-0 | | loss, Loss of b | |
| | cycline hydrochlorid | | |
| | tion | : Target Organs | : Teeth |
| Ingest | | . Target organo | |



| ersion 0 | Revision Date: 2024/07/06 | - | DS Number: 07511-00025 | Date of last issue: 2024/05/01 Date of first issue: 2016/01/07 |
|------------------------|--|-----|---|--|
| | | | Diarrhoea, Liver effects | |
| predr Ingest | hisolone: tion | : | | um retention, Headache, Vertigo, fluid reten- ous bleeding, striae, skin atrophy, menstrual |
| 2. ECOLO | OGICAL INFORMATION | N | | |
| Ecoto | oxicity | | | |
| Comp | oonents: | | | |
| White | e mineral oil (petroleum | ı): | | |
| Toxici | ity to fish | : | Exposure time: 9 | nchus mykiss (rainbow trout)): > 100 mg/l 96 h Test Guideline 203 |
| | ity to daphnia and other ic invertebrates | : | Exposure time: 4 | magna (Water flea)): > 100 mg/l 48 h Test Guideline 202 |
| Toxici plants | ity to algae/aquatic | : | mg/l Exposure time: 7 | kirchneriella subcapitata (green algae)): 100 72 h Test Guideline 201 |
| Toxici icity) | ity to fish (Chronic tox- | : | NOEC (Oncorhy Exposure time: 2 | rnchus mykiss (rainbow trout)): 1,000 mg/l 28 d |
| | ity to daphnia and other ic invertebrates (Chron- icity) | : | NOEC (Daphnia Exposure time: 2 | magna (Water flea)): 1,000 mg/l 21 d |
| Neom | nycin, sulfate (salt): | | | |
| | ity to daphnia and other ic invertebrates | : | Exposure time: 4 | magna (Water flea)): > 72 mg/l 48 h Test Guideline 202 |
| | | | LC50 (American Exposure time: 9 Method: US-EP | |
| Toxici plants | ity to algae/aquatic | : | Exposure time: 7 | a flos-aquae (cyanobacterium)): 0.00075 mg/ 72 h Test Guideline 201 |
| | | | | |



| Versior 7.0 | Revision Date: 2024/07/06 | | 0S Number: 7511-00025 | Date of last issue: 2024/05/01 Date of first issue: 2016/01/07 |
|----------------|--|---|---|--|
| | | | | |
| | | | NOEC (Anabaena Exposure time: 72 Method: OECD To | |
| | | | EC50 (Pseudokiro mg/l Exposure time: 72 Method: OECD Te | |
| | | | NOEC (Pseudokir 0.0022 mg/l Exposure time: 72 Method: OECD Te | |
| | N N | : | 1,000 | |
| | Factor (Chronic aquatic | : | 10 | |
| | kicity) xicity to microorganisms | : | EC50 (Natural mid Exposure time: 3 Test Type: Respir Method: OECD Te | ation inhibition |
| | | | EC10 (Natural mid Exposure time: 3 Test Type: Respir Method: OECD To | ation inhibition |
| | agnesium stearate: xicity to fish | : | Exposure time: 48 Method: DIN 384 | idus (Golden orfe)): > 100 mg/l 3 h 12 on data from similar materials |
| | xicity to daphnia and other uatic invertebrates | : | Exposure time: 47 Test substance: V Method: Directive | Vater Accommodated Fraction 67/548/EEC, Annex V, C.2. on data from similar materials |
| | xicity to algae/aquatic ants | : | mg/l Exposure time: 72 Test substance: V Method: OECD To | Vater Accommodated Fraction est Guideline 201 on data from similar materials |



| Version 7.0 | Revision Date: 2024/07/06 | | 9S Number: 7511-00025 | Date of last issue: 2024/05/01 Date of first issue: 2016/01/07 |
|---------------------------|---|---|---|---|
| | | | mg/l Exposure time: Test substance: Method: OECD | okirchneriella subcapitata (green algae)): > 1 72 h Water Accommodated Fraction Test Guideline 201 d on data from similar materials |
| Toxic | ity to microorganisms | : | Exposure time: Test substance: | nonas putida): > 100 mg/l 16 h Water Accommodated Fraction d on data from similar materials |
| | cycline hydrochloride: | | | |
| Toxic plants | ity to algae/aquatic s | : | EC50 (Anabaen Exposure time: | a flos-aquae (cyanobacterium)): 6.2 mg/l 72 h |
| | | | NOEC (Anabaei Exposure time: | na flos-aquae (cyanobacterium)): 2.5 mg/l 72 h |
| | | | EC50 (Pseudok mg/l Exposure time: ⁻ | irchneriella subcapitata (green algae)): 3.31 72 h |
| | | | NOEC (Pseudol mg/l Exposure time: | kirchneriella subcapitata (green algae)): 0.032 72 h |
| | | | EC50 (Microcys Exposure time: | tis aeruginosa (blue-green algae)): 0.09 mg/l 7 d |
| | ctor (Acute aquatic tox- | : | 10 | |
| icity) M-Fa toxicit | ctor (Chronic aquatic | : | 1 | |
| | ity to microorganisms | : | | |
| Bacit | racin: | | | |
| | ity to daphnia and other tic invertebrates | : | EC50 (Artemia s Exposure time: 4 | salina (brine shrimp)): 21.8 mg/l 48 h |
| Toxic plants | ity to algae/aquatic s | : | Exposure time: | a flos-aquae (cyanobacterium)): 10 mg/l 10 d Test Guideline 201 |
| - | nisolone: ity to daphnia and other | : | EC50 (Daphnia | magna (Water flea)): > 85 mg/l |



| ersion) | Revision Date: 2024/07/06 | - | 0S Number: 7511-00025 | Date of last issue: 2024/05/01 Date of first issue: 2016/01/07 | |
|----------------------------------|---|----------|--|---|--|
| aquati | c invertebrates | | Exposure time: 48 | 3 h | |
| Toxicity to algae/aquatic plants | | : | NOEC (Pseudokin mg/l Exposure time: 72 | rchneriella subcapitata (green algae)): 160 2 h | |
| | | | EC50 (Pseudokiro mg/l Exposure time: 72 | chneriella subcapitata (green algae)): > 16 2 h | |
| aquati | Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity) | | NOEC (Ceriodaphnia dubia (water flea)): 0.23 mg/l Exposure time: 7 d | | |
| Persis | stence and degradabili | ty | | | |
| <u>Comp</u> | onents: | | | | |
| | mineral oil (petroleum gradability | n): : | Result: Not readil Biodegradation: 3 Exposure time: 28 | 31 % | |
| | ycin, sulfate (salt): gradability | : | Result: rapidly de Biodegradation: 4 Exposure time: 1. Method: OECD T | 50 % 2 d | |
| - | esium stearate: gradability | : | Result: Not biode Remarks: Based | gradable on data from similar materials | |
| Bioac | cumulative potential | | | | |
| <u>Comp</u> | onents: | | | | |
| Partitie | ycin, sulfate (salt): on coefficient: n- bl/water | : | log Pow: < -2 | | |
| Partitio | esium stearate: on coefficient: n- ol/water | : | log Pow: > 4 | | |
| tetracycline hydrochloride: | | : | log Pow: -1.37 pH: 7 | | |

Bacitracin:



| /ersion 7.0 | Revision Date: 2024/07/06 | SDS Number: 407511-00025 | Date of last issue: 2024/05/01 Date of first issue: 2016/01/07 |
|--|--|---|---|
| | on coefficient: n- ol/water | : log Pow: -0 | .8 |
| Partiti | nisolone: on coefficient: n- ol/water | : log Pow: 1.4 | 46 |
| | l ity in soil Ita available | | |
| | r adverse effects ata available | | |
| 3. DISPO | SAL CONSIDERATIO | NS | |
| Dispo | osal methods | | |
| - | e from residues | | ose of waste into sewer. in accordance with local regulations. |
| Conta | minated packaging | | ainers should be taken to an approved waste han r recycling or disposal. |
| | SPORT INFORMATION | If not other | vise specified: Dispose of as unused product. |
| Interr | national Regulations | If not other | |
| Interr UNR1 | national Regulations | If not other | |
| Interr UNR UN nu | national Regulations | If not otherv I : UN 3082 : ENVIRONM N.O.S. | vise specified: Dispose of as unused product. |
| Interr UNR UN nu Prope | national Regulations IDG umber er shipping name | If not otherv UN 3082 ENVIRONM N.O.S. (Neomycin | vise specified: Dispose of as unused product. |
| Interr UNRT UN nu Prope | national Regulations IDG umber er shipping name | If not otherv I : UN 3082 : ENVIRONM N.O.S. | vise specified: Dispose of as unused product. |
| Interr UNR UN nu Prope Class Packi Label | national Regulations IDG umber er shipping name ng group s | If not otherv UN 3082 ENVIRONN N.O.S. (Neomycin : 9 | vise specified: Dispose of as unused product. |
| Interr UNR UN nu Prope Class Packi Label | national Regulations IDG umber er shipping name ng group | If not otherv UN 3082 ENVIRONN N.O.S. (Neomycin : 9 : III | vise specified: Dispose of as unused product. |
| Interr UN nu Prope Class Packi Label Enviro | national Regulations TDG umber er shipping name ng group s onmentally hazardous -DGR | If not otherv UN 3082 ENVIRONN N.O.S. (Neomycin 9 III 9 UII 9 UII 9 UII 9 UII 9 UII 9 UII 9 UV 9 UV | vise specified: Dispose of as unused product. |
| Interr UNR UN nu Prope Class Packi Label Enviro IATA | national Regulations TDG umber er shipping name ng group s onmentally hazardous -DGR) No. | If not otherv UN 3082 ENVIRONN N.O.S. (Neomycin 9 III 9 UI 9 UN 3082 | vise specified: Dispose of as unused product. IENTALLY HAZARDOUS SUBSTANCE, LIQUID , sulfate (salt), tetracycline hydrochloride) |
| Interr UN nu Prope Class Packi Label Enviro IATA UN/IE Prope | national Regulations TDG umber er shipping name ng group s onmentally hazardous -DGR) No. er shipping name | If not otherw UN 3082 ENVIRONM N.O.S. (Neomycin 9 III 9 UN 3082 Environmer (Neomycin | vise specified: Dispose of as unused product. |
| Interr UN nu Prope Class Packi Label Enviro IATA UN/IE Prope | national Regulations TDG umber er shipping name ng group s onmentally hazardous -DGR 0 No. er shipping name | If not otherw UN 3082 ENVIRONM N.O.S. (Neomycin 9 III 9 UI 9 UN 3082 Environmer | vise specified: Dispose of as unused product. IENTALLY HAZARDOUS SUBSTANCE, LIQUID, , sulfate (salt), tetracycline hydrochloride) ntally hazardous substance, liquid, n.o.s. |
| Interr UN nu Prope Class Packi Label Enviro IATA- UN/IE Prope Class Packi Label | national Regulations TDG umber er shipping name ng group s onmentally hazardous -DGR 0 No. er shipping name ng group s | If not otherv UN 3082 ENVIRONM N.O.S. (Neomycin 9 III 9 UN 3082 Environmer (Neomycin 9 UN 3082 Environmer (Neomycin 9 III S 9 UN 3082 | NENTALLY HAZARDOUS SUBSTANCE, LIQUID, , sulfate (salt), tetracycline hydrochloride) ntally hazardous substance, liquid, n.o.s. , sulfate (salt), tetracycline hydrochloride) |
| Interr UN nu Prope Class Packi Label Enviro IATA- UN/IE Prope Class Packi Label Packi aircra | national Regulations TDG umber er shipping name ng group s onmentally hazardous -DGR 0 No. er shipping name ng group s ng instruction (cargo ft) | If not otherw UN 3082 ENVIRONM N.O.S. (Neomycin 9 III 9 UN 3082 Environmer (Neomycin 9 III 9 III 9 UN 3082 Environmer (Neomycin 9 III 9 III 9 III 9 III 9 III 9 III 1 1 1 1 | VISE Specified: Dispose of as unused product. MENTALLY HAZARDOUS SUBSTANCE, LIQUID , sulfate (salt), tetracycline hydrochloride) ntally hazardous substance, liquid, n.o.s. , sulfate (salt), tetracycline hydrochloride) |
| Interr UNRT UN nu Prope Class Packi Label Enviro IATA UN/IE Prope Class Packi Label Packi aircra Packi ger ai | national Regulations TDG umber er shipping name ng group s onmentally hazardous -DGR 0 No. er shipping name ng group s ng instruction (cargo ft) ng instruction (passen- rcraft) | If not otherw UN 3082 ENVIRONM N.O.S. (Neomycin 9 III 9 UN 3082 Environmer (Neomycin 9 III Miscellanec 964 964 | NENTALLY HAZARDOUS SUBSTANCE, LIQUID, , sulfate (salt), tetracycline hydrochloride) ntally hazardous substance, liquid, n.o.s. , sulfate (salt), tetracycline hydrochloride) |
| Interr UN nu Prope Class Packi Label Enviro IATA- UN/IE Prope Class Packi Label Packi aircra Packi ger ai Enviro | Anational Regulations FDG umber er shipping name ng group s onmentally hazardous -DGR 0 No. er shipping name ng group s ng instruction (cargo ft) ng instruction (passen- rcraft) onmentally hazardous | If not otherw UN 3082 ENVIRONM N.O.S. (Neomycin 9 III 9 UN 3082 Environmer (Neomycin 9 III 9 III 9 UN 3082 Environmer (Neomycin 9 III 9 III 9 III 9 III 9 III 9 III 1 1 1 1 | VISE Specified: Dispose of as unused product. MENTALLY HAZARDOUS SUBSTANCE, LIQUID , sulfate (salt), tetracycline hydrochloride) ntally hazardous substance, liquid, n.o.s. , sulfate (salt), tetracycline hydrochloride) |
| Interr UNRT UN nu Prope Class Packi Label Enviro IATA UN/IE Prope Class Packi Label Packi aircra Packi ger ai Enviro | national Regulations TDG umber er shipping name ng group s onmentally hazardous -DGR 0 No. er shipping name ng group s ng instruction (cargo ft) ng instruction (passen- rcraft) | If not otherw UN 3082 ENVIRONM N.O.S. (Neomycin 9 III 9 UN 3082 Environmer (Neomycin 9 III Miscellanec 964 964 | VISE Specified: Dispose of as unused product. MENTALLY HAZARDOUS SUBSTANCE, LIQUID , sulfate (salt), tetracycline hydrochloride) ntally hazardous substance, liquid, n.o.s. , sulfate (salt), tetracycline hydrochloride) |



| Version | Revision Date: 2024/07/06 | SDS Number: | Date of last issue: 2024/05/01 |
|---------|---------------------------|--------------|---------------------------------|
| 7.0 | | 407511-00025 | Date of first issue: 2016/01/07 |
| | | | |

| Class Packing group Labels EmS Code | N.O.S. (Neomycin, sulfate (salt), tetracycline hydrochloride) : 9 : III : 9 : F-A, S-F |
|--|---|
| Marine pollutant | yes |

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

Not applicable for product as supplied.

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.

15. REGULATORY INFORMATION

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

Minister of Industry Regulation No. 23/M-IND/PER/4/2013 concerning the Revision of Minister of Industry Regulation No. 87/M-IND/PER/9/2009 concerning Globally Harmonized System of Classification and Labelling of Chemicals.

Regulation of the Minister of Health No. 472 of 1996 on the Safeguarding of Substances Hazardous to Health

Hazardous substances that must be registered : Not applicable

Government Regulation No. 74 of 2001 on the Management of Hazardous and Toxic Substances

| Hazardous substances approved for use | : | Not applicable |
|---------------------------------------|---|----------------|
| Prohibited substances | : | Not applicable |
| Restricted substances | : | Not applicable |

Regulation of the Ministry of Trade No. 7 of 2022 on Distribution and Control of Hazardous Materials

Type of hazardous materials subject to distribution and : Not applicable control, Annex I

Type of hazardous materials subject to distribution and : Not applicable control, Annex II

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

not determined

| 1100 | |
|------|--|
| AICS | |

25 / 27



| Version 7.0 | Revision Date: 2024/07/06 | | DS Number: 07511-00025 | Date of last issue: 2024/05/01 Date of first issue: 2016/01/07 |
|----------------|---|---|---------------------------|--|
| | | | | |
| | | | | |
| DSL | | : | not determined | |
| IECS | C | : | not determined | |
| | | | | |
| 16. OTHEI | R INFORMATION | | | |
| Revis | ion Date | : | 2024/07/06 | |
| Furth | er information | | | |
| | es of key data used to ile the Safety Data | : | | data, data from raw material SDSs, OECD arch results and European Chemicals Agen- ropa.eu/ |
| | where changes have be nent by two vertical lines | | made to the previo | us version are highlighted in the body of this |

| Date format | : | yyyy/mm/dd |
|---|-----|--|
| Full text of other abbreviation | ons | |
| ACGIH ID OEL | : | USA. ACGIH Threshold Limit Values (TLV) Indonesia. Occupational Exposure Limits |
| ACGIH / TWA ID OEL / NAB ID OEL / PSD | : | 8-hour, time-weighted average Long term exposure limit Short term exposure limit |

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 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; 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 Tem-



Prednisolone / Neomycin / Tetracycline / Bacitracin Formulation

| Version | Revision Date: | SDS Number: | Date of last issue: 2024/05/01 |
|---------|----------------|--------------|---------------------------------|
| 7.0 | 2024/07/06 | 407511-00025 | Date of first issue: 2016/01/07 |

perature; 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

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.

ID / EN