

Clotrimazole / Gentamicin / Betamethasone (0.1%) Formulation

| Version | Revision Date: | SDS Number: | Date of last issue: 04.04.2023 |
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SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

| Product name : | Clotrimazole / Gentamicin / Betamethasone (0.1%) Formula- tion |
|--|---|
| Manufacturer or supplier's de | ails |
| | MSD 126 E. Lincoln Avenue Rahway, New Jersey U.S.A. 07065 |
| Emergency telephone | 908-740-4000 1-908-423-6000 EHSDATASTEWARD@msd.com |
| Recommended use of the che | mical and restrictions on use |
| Recommended use Restrictions on use | Veterinary product Not applicable |

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

| Reproductive toxicity | : | Category 1A |
|--|---|--|
| Specific target organ toxicity - repeated exposure | : | Category 1 (Pituitary gland, Immune system, muscle, thymus gland, Blood, Adrenal gland) |
| Specific target organ toxicity - repeated exposure (Oral) | : | Category 2 (Liver, Kidney, Adrenal gland) |
| GHS label elements Hazard pictograms | : | |
| Signal Word | : | Danger |
| Hazard Statements | : | H360Df May damage the unborn child. Suspected of damaging fertility. H372 Causes damage to organs (Pituitary gland, Immune system, muscle, thymus gland, Blood, Adrenal gland) through prolonged or repeated exposure. H373 May cause damage to organs (Liver, Kidney, Adrenal gland) through prolonged or repeated exposure if swallowed. |
| Precautionary Statements | : | Prevention: P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P260 Do not breathe mist or vapors. P264 Wash skin thoroughly after handling. |



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| | | | eat, drink or smoke when using this product. otective gloves/ protective clothing/ eye protection/ n. |
| | | Response: P308 + P313 I attention. | F exposed or concerned: Get medical advice/ |
| | | Storage: P405 Store loc | cked up. |
| | | Disposal: P501 Dispose posal plant. | of contents/ container to an approved waste dis- |
| •• | r hazards known. | | |
| SECTION | 3. COMPOSITION/IN | FORMATION ON INC | GREDIENTS |
| Subs | tance / Mixture | : Mixture | |
| Com | ponents | | |

| Chemical name | CAS-No. | Concentration (% w/w) |
|-------------------------------|------------|-----------------------|
| White mineral oil (petroleum) | 8042-47-5 | >= 90 -<= 100 |
| clotrimazole | 23593-75-1 | >= 1 -< 5 |
| Gentamicin | 1403-66-3 | >= 0.1 -< 1 |
| Betamethasone | 378-44-9 | >= 0.1 -< 1 |

SECTION 4. FIRST AID MEASURES

| General advice | : | 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 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 | : | May damage the unborn child. Suspected of damaging fertili- ty. Causes damage to organs through prolonged or repeated exposure. |



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| Prote | ction of first-aiders | : | and use the re | nders should pay attention to self-protection, commended personal protective equipment ntial for exposure exists (see section 8). |
| Notes | s to physician | : | | natically and supportively. |
| SECTION | 5. FIRE-FIGHTING ME | ASU | RES | |
| Suita | ble extinguishing media | : | Water spray Alcohol-resista Carbon dioxide Dry chemical | |
| Unsu media | itable extinguishing a | : | None known. | |
| fightir | | : | Exposure to co | ombustion products may be a hazard to health. |
| Haza ucts | rdous combustion prod- | : | Carbon oxides | |
| Spec ods | ific extinguishing meth- | : | cumstances an Use water spra | ning measures that are appropriate to local cir- nd the surrounding environment. ay to cool unopened containers. maged containers from fire area if it is safe to do |
| | ial protective equipment e-fighters | : | | fire, wear self-contained breathing apparatus. protective equipment. |

| 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. |



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SECTION 7. HANDLING AND STORAGE

| Technical measures | : | See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section. |
|-----------------------------|---|--|
| Local/Total ventilation | : | If sufficient ventilation is unavailable, use with local exhaust ventilation. |
| Advice on safe handling | : | Do not get on skin or clothing. Do not breathe mist or vapors. 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 assessment 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. |
| Hygiene measures | : | If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working place. When using do not eat, drink or smoke. 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. |
| 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: Strong oxidizing agents Self-reactive substances and mixtures Organic peroxides Explosives Gases |

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

| Components | CAS-No. | Value type (Form of exposure) | Control parame- ters / Permissible concentration | Basis |
|-------------------------------|-----------|-------------------------------------|--|-----------------------|
| White mineral oil (petroleum) | 8042-47-5 | VLE-PPT (Mist) | 5 mg/m ³ | NOM-010- STPS-2014 |
| | | TWA (Inhalable particulate | 5 mg/m³ | ACGIH |



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|---------|-------------------------------|--|--|---|---|------------------------------------|
| | | 1 | | montor) | | 1 |
| clotrim | nazole | 23593 | 8-75-1 | matter) TWA | 0.2 mg/m3 (OEB 2) | Internal |
| Genta | micin | 1403- | 66-3 | TWA | 0.1 mg/m3 (OEB 2) | Internal |
| | | Furthe | er informa | ation: OTO | | • |
| Betam | nethasone | 378-4 | 4-9 | TWA | 1 µg/m3 (OEB 4) | Internal |
| | | Furthe | er informa | ation: Skin | | |
| | | | | Wipe limit | 10 µg/100 cm ² | Internal |
| | | prote Esse Use o If har cabin poter exist, | ct produc ntially no closed pr ndled in a net, fume ntial exist | cts, workers, ar open handling ocessing syste a laboratory, us hood, or other | ms or containment te e a properly designed containment device it ation. If this potential of | chnologies I biosafety f the |
| Perso | onal protective equip | ment | | | | |
| | ratory protection ter type | expo recor | sure asso nmendeo | essment demo d guidelines, us | ntilation is not availab nstrates exposures ou se respiratory protection rganic vapor type | utside the |
| Hand | protection | | | | | |
| Ма | aterial | : Chen | nical-resi | stant gloves | | |
| | marks rotection | : Wear If the mists Wear | safety g work en or aeros a facesl ntial for d | vironment or ac sols, wear the a nield or other fu | e shields or goggles. ctivity involves dusty o ppropriate goggles. Ill face protection if th the face with dusts, r | ere is a |
| Skin a | and body protection | : Work Addit task l dispo Use a | a uniform ional boo being per sable su appropria | rformed (e.g., s its) to avoid ex | oat. ould be used based u leevelets, apron, gau posed skin surfaces. techniques to remove | ntlets, |

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

| Appearance | : | liquid |
|----------------|---|-------------------|
| Color | : | No data available |
| Odor | : | No data available |
| Odor Threshold | : | No data available |



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| | рН | | : | No data available | |
| | Melting | point/freezing point | : | No data available | |
| | Initial bo range | piling point and boiling | : | No data available | |
| | Flash p | oint | : | No data available | |
| | Evapora | ation rate | : | No data available | |
| | Flamma | ability (solid, gas) | : | Not applicable | |
| | Flamma | ability (liquids) | : | No data available | |
| | | explosion limit / Upper bility limit | : | No data available | |
| | | explosion limit / Lower bility limit | : | No data available | |
| | Vapor p | pressure | : | No data available | |
| | Relative | e vapor density | : | No data available | |
| | Relative | e density | : | No data available | |
| | Density | | : | No data available | |
| | Solubilit Wate | ty(ies) er solubility | : | No data available | |
| | Partitior octanol/ | n coefficient: n- | : | Not applicable | |
| | | ition temperature | : | No data available | |
| | Decomp | position temperature | : | No data available | |
| | Viscosit Visc | y osity, kinematic | : | No data available | |
| | Explosiv | ve properties | : | Not explosive | |
| | Oxidizir | ng properties | : | The substance or | mixture is not classified as oxidizing. |
| | Particle | size | : | Not applicable | |

SECTION 10. STABILITY AND REACTIVITY

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



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| tions Cond Incon | ibility of hazardous reac- litions to avoid npatible materials rdous decomposition ucts | : | None known. Oxidizing agents | rong oxidizing agents. composition products are known. |
| SECTION | 11. TOXICOLOGICAL | INF | ORMATION | |
| Inhala Skin Inges Eye o | contact stion contact | s of (| exposure | |
| | e toxicity lassified based on availa | able | information. | |
| Prod | | | | |
| Acute | e oral toxicity | : | Acute toxicity estine Method: Calculation | mate: > 5,000 mg/kg on method |
| Acute | e inhalation toxicity | : | Acute toxicity estin Exposure time: 4 Test atmosphere: Method: Calculation | h dust/mist |
| Acute | e dermal toxicity | : | Acute toxicity estine Method: Calculation | mate: > 5,000 mg/kg on method |
| Com | ponents: | | | |
| White | e mineral oil (petroleur | n): | | |
| Acute | e oral toxicity | : | LD50 (Rat): > 5,00 | 00 mg/kg |
| Acute | e inhalation toxicity | : | Exposure time: 4 Test atmosphere: | ĥ |
| Acute | e dermal toxicity | : | LD50 (Rabbit): > 2 Assessment: The toxicity | 2,000 mg/kg substance or mixture has no acute dermal |
| clotri | imazole: | | | |
| Acute | e oral toxicity | : | LD50 (Rat): 708 n | ng/kg |
| | | | LD50 (Mouse): 76 | 61 mg/kg |
| | | | LD50 (Rabbit): > ² | 1,000 mg/kg |
| | | | | |



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| Acute | inhalation toxicity | : | LC50 (Rat): > 0.73 Exposure time: 4 I Test atmosphere: | h |
| Acute | e dermal toxicity | : | LD50 (Mouse): 92 | 3 mg/kg |
| Genta | amicin: | | | |
| Acute | oral toxicity | : | LD50 (Rat): 8,000 | - 10,000 mg/kg |
| | | | LD50 (Mouse): 10 | ,000 mg/kg |
| Acute | inhalation toxicity | : | LC50 (Rat): > 0.2 Exposure time: 4 I Test atmosphere: Remarks: No more | h |
| | e toxicity (other routes of histration) | : | LD50 (Rat): 67 - 9 Application Route | |
| | | | LD50 (Rat): 371 - Application Route | |
| | | | LDLo (Monkey): 3 Application Route | |
| Betar | nethasone: | | | |
| Acute | oral toxicity | : | LD50 (Rat): > 5,00 | 00 mg/kg |
| | | | LD50 (Mouse): > 4 | 4,500 mg/kg |
| Acute | inhalation toxicity | : | LC50 (Rat): 0.4 m Exposure time: 4 I | |
| Not c | corrosion/irritation lassified based on availa | ble | information. | |
| | <u>oonents:</u> | | | |
| | e mineral oil (petroleum |): | Dahhit | |
| Speci Resul | | : | Rabbit No skin irritation | |
| clotri | mazole: | | | |
| Speci Resu | | : | Rabbit No skin irritation | |
| Genta | amicin: | | | |
| Speci Resu | | : | Rabbit Mild skin irritation | |



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| | Betame | ethasone: | | | |
| | Species Result | 1 | : | Rabbit Mild skin irritation | |
| | Serious | s eye damage/eye irri | itati | on | |
| | | sified based on availa | | | |
| | <u>Compo</u> | nents: | | | |
| | White n | nineral oil (petroleun | n): | | |
| | Species Result | ; | : | Rabbit No eye irritation | |
| | clotrim | azole: | | | |
| | Species Result | | : | Rabbit Mild eye irritation | |
| | Gentam | nicin: | | | |
| | Species Result | | : | Rabbit Mild eye irritation | |
| | Betame | ethasone: | | | |
| | Species Result | ; | : | Rabbit No eye irritation | |
| | Respira | atory or skin sensitiz | atio | n | |
| | | nsitization sified based on availa | ble | information. | |
| | - | atory sensitization sified based on availa | ble | information. | |
| | Compo | | | | |
| | White n | nineral oil (petroleun | n): | | |
| | Test Ty | ре | : | Buehler Test | |
| | Routes Species | of exposure | : | Skin contact Guinea pig | |
| | Result | | : | negative | |
| | Gentam | nicin: | | | |
| | Remark | | : | No data available | |
| | Betame | ethasone: | | | |
| | Routes | of exposure | : | Dermal | |
| | Species Result | ; | : | Guinea pig Weak sensitizer | |
| | ILESUIL | | • | VVEAR SENSILLEI | |



| ersion 10 | Revision Date: 30.09.2023 | SDS Number: 808849-00020 | Date of last issue: 04.04.2023 Date of first issue: 22.07.2016 |
|--------------|---------------------------|---|--|
| Germ | cell mutagenicity | | |
| Not cl | assified based on ava | ailable information. | |
| Comp | oonents: | | |
| White | e mineral oil (petrole | um): | |
| Geno | toxicity in vitro | : Test Type: Result: neg | In vitro mammalian cell gene mutation test ative |
| Geno | toxicity in vivo | cytogenetic Species: M Application Method: OE Result: neg | ouse Route: Intraperitoneal injection ECD Test Guideline 474 |
| clotri | mazole: | | |
| Geno | toxicity in vitro | : Test Type: Result: neg | Bacterial reverse mutation assay (AMES) ative |
| | | Test Type: Result: neg | Chromosome aberration test in vitro ative |
| | | Test Type: Result: neg | in vitro micronucleus test ative |
| Geno | toxicity in vivo | cytogenetic Species: Ra | at Route: Oral |
| | | Test Type: tion test (in Species: Ha Result: neg | amster |
| | cell mutagenicity - | : Weight of e cell mutage | vidence does not support classification as a geri n. |
| Genta | amicin: | | |
| Geno | toxicity in vitro | : Test Type: Result: neg | In vitro mammalian cell gene mutation test ative |
| | | Test Type: Result: equ | Chromosome aberration test in vitro ivocal |
| Geno | toxicity in vivo | cytogenetic Species: M | |



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| | | | Result: negative | | | | |
| | | | Ū. | | | | |
| | methasone: | | | | | | |
| Geno | otoxicity in vitro | : | Test Type: Bacte Result: negative | rial reverse mutation assay (AMES) | | | |
| | | | Test Type: In vitr Result: negative | o mammalian cell gene mutation test | | | |
| | | | Test Type: Chror Result: positive | nosome aberration test in vitro | | | |
| Geno | otoxicity in vivo | : | Test Type: Mamr cytogenetic assa Species: Mouse Application Route Result: equivocal | e: Oral | | | |
| | n cell mutagenicity - ssment | : | Weight of eviden cell mutagen. | ce does not support classification as a germ | | | |
| Not c | inogenicity classified based on avail | able | information. | | | | |
| | ponents: | ···· \ · | | | | | |
| | e mineral oil (petroleu | m): | Rat | | | | |
| Spec Appli | cation Route | ÷ | Ingestion | | | | |
| | sure time | : | 24 Months | | | | |
| Resu | llt | : | negative | | | | |
| clotr | imazole: | | | | | | |
| Spec | | : | Rat | | | | |
| | cation Route | : | Oral | | | | |
| Expo Resu | sure time | ÷ | 78 weeks | | | | |
| Resu | in and the second se | • | negative | | | | |
| Gent | amicin: | | | | | | |
| Carc ment | inogenicity - Assess- | : | No data available | | | | |
| Repr | oductive toxicity | | | | | | |
| May | damage the unborn chil | d. Sı | uspected of damag | ing fertility. | | | |
| <u>Com</u> | ponents: | | | | | | |
| Whit | e mineral oil (petroleu | m): | | | | | |
| Effec | ts on fertility | : | Test Type: One- <u>c</u> Species: Rat Application Route Result: negative | generation reproduction toxicity study e: Skin contact | | | |



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| Ef | fects on fetal development | : | Test Type: Embr Species: Rat Application Rout Result: negative | yo-fetal development e: Ingestion |
| | otrimazole: fects on fertility | : | Species: Rat Application Rout | 50 mg/kg body weight |
| Ef | fects on fetal development | : | Species: Rat Application Rout Developmental 1 | yo-fetal development e: Oral oxicity: LOAEL: 100 mg/kg body weight fetal toxicity., No teratogenic effects. |
| | | | Species: Rat Application Rout Developmental 7 | yo-fetal development e: Oral oxicity: NOAEL: 50 mg/kg body weight fetal toxicity., No teratogenic effects. |
| | | | Species: Mouse Application Rout Developmental | yo-fetal development e: Oral oxicity: NOAEL: 200 mg/kg body weight s on fetal development. |
| | | | Species: Rabbit Application Rout Developmental | yo-fetal development e: Oral Foxicity: NOAEL: 180 mg/kg body weight is on fetal development. |
| | eproductive toxicity - As- essment | : | fertility, based or | of adverse effects on sexual function and a animal experiments., Some evidence of on development, based on animal |
| G | entamicin: | | | |
| - | fects on fertility | : | Species: Rat Fertility: NOAEL | generation reproduction toxicity study 20 mg/kg body weight icant adverse effects were reported |
| Ef | fects on fetal development | : | Species: Rabbit | yo-fetal development ⁻ oxicity: NOAEL: 3.6 mg/kg body weight yo-fetal toxicity. |

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| | | | | Species: Rat Application Route | xicity: LOAEL: 75 mg/kg body weight | | |
| | | | | Test Type: Embryo-fetal development Species: Mouse Application Route: Intraperitoneal Developmental Toxicity: LOAEL: 10 mg/kg body weight Result: Fetal mortality., No malformations were observed. Test Type: Embryo-fetal development Species: Rat Application Route: Intraperitoneal Developmental Toxicity: LOAEL: 50 mg/kg body weight Result: Fetal mortality., No malformations were observed. | | | |
| | | | | | | | |
| | Reprod sessme | uctive toxicity - As- ent | ÷ | Positive evidence human epidemiolo | of adverse effects on development from ogical studies. | | |
| | Betame | ethasone: | | | | | |
| | Effects | on fetal development | : | | : Intramuscular xicity: LOAEL: 0.05 mg/kg body weight y., Malformations were observed. | | |
| | | | | • | : Subcutaneous xicity: LOAEL: 0.42 mg/kg body weight ons were observed. | | |
| | | | | | : Intramuscular xicity: LOAEL: 1 mg/kg body weight ons were observed. | | |
| | Reprod sessme | uctive toxicity - As- ent | : | Clear evidence of animal experiment | adverse effects on development, based on ts. | | |

STOT-single exposure

Not classified based on available information.

STOT-repeated exposure

Causes damage to organs (Pituitary gland, Immune system, muscle, thymus gland, Blood, Adrenal gland) through prolonged or repeated exposure.

May cause damage to organs (Liver, Kidney, Adrenal gland) through prolonged or repeated exposure if swallowed.



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| <u>Com</u> | ponents: | | |
| Targe | mazole: et Organs ssment | | r, Adrenal gland amage to organs through prolonged or repeated |
| Targe | amicin: et Organs ssment | : Kidney, innel : Causes dam exposure. | r ear age to organs through prolonged or repeated |
| Targe | nethasone: et Organs ssment | Adrenal glan | id, Immune system, muscle, thymus gland, Blood, d age to organs through prolonged or repeated |
| Repe | ated dose toxicity | | |
| Com | ponents: | | |
| White | e mineral oil (petrole | um): | |
| | | : Rat : 160 mg/kg : Ingestion : 90 Days | |
| | EL cation Route sure time | : 4 Weeks | ust/mist/fume) Guideline 412 |
| Speci LOAE Applic Expos | EL cation Route sure time et Organs | : Rabbit : 5 - 40 mg/kg : Skin contact : 3 Weeks : Skin : Edema, Fiss | uring, Necrosis, Redness |
| Expo | | : Rat : 10 mg/kg : Oral : 18 Months : Liver, Kidney | r, Adrenal gland |
| Speci LOAE Applie | | : Dog : 25 mg/kg : Oral | |



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| | ure time Organs oms | : 6 - 12 Months : Adrenal gland : Salivation, Lachr | ymation, Vomiting |
| Expos Target Sympt Specie LOAEI Applica Expos | es - ation Route ure time Organs oms | Dog 3 mg/kg Intramuscular 12 Months Kidney Vomiting, Salivat Monkey 50 mg/kg Subcutaneous 3 Weeks Kidney, inner ear | |
| Expos | | : Monkey : 6 mg/kg : Intramuscular : 3 Weeks : Blood, Kidney, in | ner ear, Liver |
| Expos | L | : Rat : 5 mg/kg : 10 mg/kg : Intramuscular : 52 Weeks : Kidney, Blood | |
| Expos | L | : Rat : 12.5 mg/kg : 50 mg/kg : Intramuscular : 13 Weeks : Kidney | |
| Specie LOAEI Applica Expos | | : Rabbit : 0.05 % : Skin contact : 10 - 30 d : Pituitary gland, Ir | mmune system, muscle |
| Expos | | : Rat : 0.05 % : Skin contact : 8 Weeks : thymus gland | |
| Specie | 9S | : Mouse | |



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| Expos | L cation Route sure time t Organs | : | 0.1 % Skin contact 8 Weeks thymus gland | |
| Expos | | : | Dog 0.05 mg/kg Oral 28 d Blood, thymus gla | ind, Adrenal gland |
| Not cl | ation toxicity assified based on availa rience with human exp | | | |
| - | oonents: | | | |
| clotri | mazole: | | | |
| Skin o Ingest | contact tion | : | | Itching, Blistering, Edema, Redness minal pain, Nausea, Vomiting, Diarrhea |
| | amicin: | | | |
| Inges | tion | • | Target Organs: K Target Organs: in Symptoms: Dizzir deafness | |
| Betar | nethasone: | | | |
| Inhala Skin o | ation contact | : | Target Organs: A Symptoms: Redn | drenal gland ess, pruritis, Irritation |
| SECTION | 12. ECOLOGICAL INFO | ORN | IATION | |
| Ecoto | oxicity | | | |
| Comp | oonents: | | | |
| White | e mineral oil (petroleun | า): | | |
| Toxici | ity to fish | : | LC50 (Oncorhync Exposure time: 96 Method: OECD T | |
| | ty to daphnia and other ic invertebrates | : | EC50 (Daphnia m Exposure time: 48 Method: OECD T | |
| Toxici plants | ty to algae/aquatic | : | NOEC (Pseudokin mg/l Exposure time: 72 Method: OECD T | |
| Toxici icity) | ity to fish (Chronic tox- | : | NOEC (Oncorhyn Exposure time: 28 | chus mykiss (rainbow trout)): 1,000 mg/l 3 d |



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|-----------------|--|---|--|---|
| aqua | city to daphnia and other ttic invertebrates (Chron- kicity) | | NOEC (Daphnia r Exposure time: 21 | nagna (Water flea)): 1,000 mg/l I d |
| | imazole: city to fish | : | LC50 (Brachydan Exposure time: 96 Method: OECD Te | |
| | city to daphnia and other tic invertebrates | : | EC50 (Daphnia m Exposure time: 48 | agna (Water flea)): 0.02 mg/l 3 h |
| Toxic plant | city to algae/aquatic s | : | EC50 (Desmodes Exposure time: 72 | mus subspicatus (green algae)): 0.268 mg/l 2 h |
| | | | NOEC (Desmode Exposure time: 72 | smus subspicatus (green algae)): 0.017 mg/l 2 h |
| Toxic icity) | city to fish (Chronic tox- | : | NOEC (Oncorhyn Exposure time: 32 Method: OECD To | |
| aqua | city to daphnia and other tic invertebrates (Chron- kicity) | : | NOEC (Daphnia r Exposure time: 21 Method: OECD Te | |
| Toxid | city to microorganisms | : | EC50: > 10,000 m Exposure time: 3 Test Type: Respir Method: OECD To | h ation inhibition |
| Gent | tamicin: | | | |
| | city to daphnia and other tic invertebrates | : | EC50 (Daphnia m Exposure time: 48 Method: OECD Te | |
| | | | LC50 (Americamy Exposure time: 96 Method: US-EPA | |
| Toxic plant | city to algae/aquatic s | : | EC50 (Pseudokiro Exposure time: 72 Method: OECD To | |
| | | | NOEC (Pseudokin µg/l Exposure time: 72 Method: OECD Te | |
| | | | EC50 (Anabaena Exposure time: 72 Method: OECD To | |



| NOEC (Anabaena flos-aquae (cyanobacterium)): 1.6 (Exposure time: 72 h Method: OECD Test Guideline 201 Toxicity to microorganisms : <td::< td=""> : : :</td::<> | |
|---|--------|
| Exposure time: 3 h Test Type: Respiration inhibition Method: OECD Test Guideline 209 Betamethasone: Toxicity to daphnia and other aquatic invertebrates Toxicity to algae/aquatic plants : EC50 (Americamysis): > 50 mg/l Exposure time: 96 h Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (green algae)) mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: No toxicity at the limit of solubility. NOEC (Pseudokirchneriella subcapitata (green algae) mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: No toxicity at the limit of solubility. Toxicity to fish (Chronic tox- icity) : NOEC (Pimephales promelas (fathead minnow)): 0.05 Exposure time: 32 d Method: OECD Test Guideline 210 NOEC (Oryzias latipes (Japanese medaka)): 0.07 µg/l Exposure time: 219 d Method: OECD Test Guideline 229 Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity) : Persistence and degradability Components: White mineral oil (petroleum): Biodegradability : Result: Not readily biodegradable. | g/l |
| Toxicity to daphnia and other aquatic invertebratesEC50 (Americamysis): > 50 mg/l Exposure time: 96 hToxicity to algae/aquatic plants:EC50 (Pseudokirchneriella subcapitata (green algae)) mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: No toxicity at the limit of solubility.NOEC (Pseudokirchneriella subcapitata (green algae) mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: No toxicity at the limit of solubility.Toxicity to fish (Chronic tox- icity):NOEC (Pseudokirchneriella subcapitata (green algae) mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: No toxicity at the limit of solubility.Toxicity to fish (Chronic tox- icity):NOEC (Pimephales promelas (fathead minnow)): 0.05 Exposure time: 32 d Method: OECD Test Guideline 210 NOEC (Oryzias latipes (Japanese medaka)): 0.07 µg/l Exposure time: 219 d Method: OECD Test Guideline 229Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity):NOEC (Daphnia magna (Water flea)): 8 mg/l Exposure time: 21 d Method: OECD Test Guideline 211Persistence and degradabilityComponents: White mineral oil (petroleum): Biodegradability:Result: Not readily biodegradable. | |
| Toxicity to daphnia and other aquatic invertebratesEC50 (Americamysis): > 50 mg/l Exposure time: 96 hToxicity to algae/aquatic plants:EC50 (Pseudokirchneriella subcapitata (green algae)) mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: No toxicity at the limit of solubility.NOEC (Pseudokirchneriella subcapitata (green algae) mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: No toxicity at the limit of solubility.Toxicity to fish (Chronic tox- icity):NOEC (Pseudokirchneriella subcapitata (green algae) mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: No toxicity at the limit of solubility.Toxicity to fish (Chronic tox- icity):NOEC (Pimephales promelas (fathead minnow)): 0.05 Exposure time: 32 d Method: OECD Test Guideline 210 NOEC (Oryzias latipes (Japanese medaka)): 0.07 µg/l Exposure time: 219 d Method: OECD Test Guideline 229Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity):NOEC (Daphnia magna (Water flea)): 8 mg/l Exposure time: 21 d Method: OECD Test Guideline 211Persistence and degradabilityComponents: White mineral oil (petroleum): Biodegradability:Result: Not readily biodegradable. | |
| plants mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: No toxicity at the limit of solubility. NOEC (Pseudokirchneriella subcapitata (green algae) mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: No toxicity at the limit of solubility. NOEC (Pseudokirchneriella subcapitata (green algae) mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: No toxicity at the limit of solubility. NOEC (Pimephales promelas (fathead minnow)): 0.05 Exposure time: 32 d Method: OECD Test Guideline 210 NOEC (Oryzias latipes (Japanese medaka)): 0.07 µg/l Exposure time: 219 d Method: OECD Test Guideline 229 NOEC (Daphnia magna (Water flea)): 8 mg/l Exposure time: 21 d Method: OECD Test Guideline 211 Persistence and degradability Exposure time: 21 d Method: OECD Test Guideline 211 Method: OECD Test Guideline 211 Persistence and degradability Exposure time: 21 d Mite mineral oil (petroleum): Biodegradability Biodegradability : Result: Not readily biodegradable. | |
| mg/l Exposure time: 72 h Method: OECD Test Guideline 201 Remarks: No toxicity at the limit of solubility. Toxicity to fish (Chronic tox-icity) : NOEC (Pimephales promelas (fathead minnow)): 0.05 Exposure time: 32 d Method: OECD Test Guideline 210 NOEC (Oryzias latipes (Japanese medaka)): 0.07 µg/l Exposure time: 219 d Method: OECD Test Guideline 229 Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) NOEC (Daphnia magna (Water flea)): 8 mg/l Exposure time: 21 d Method: OECD Test Guideline 211 Persistence and degradability Components: White mineral oil (petroleum): Biodegradability : Result: Not readily biodegradable. | > 34 |
| icity) Exposure time: 32 d Method: OECD Test Guideline 210 NOEC (Oryzias latipes (Japanese medaka)): 0.07 µg/l Exposure time: 219 d Method: OECD Test Guideline 229 Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity) NOEC (Daphnia magna (Water flea)): 8 mg/l Exposure time: 21 d Method: OECD Test Guideline 211 Persistence and degradability Components: White mineral oil (petroleum): Biodegradability Result: Not readily biodegradable. | : 34 |
| Exposure time: 219 d Method: OECD Test Guideline 229 Toxicity to daphnia and other aquatic invertebrates (Chron- ic toxicity) : NOEC (Daphnia magna (Water flea)): 8 mg/l Exposure time: 21 d Method: OECD Test Guideline 211 Persistence and degradability : Method: OECD Test Guideline 211 Versistence and degradability : Result: Not readily biodegradable. | 2 mg/l |
| aquatic invertebrates (Chron- ic toxicity) Exposure time: 21 d Method: OECD Test Guideline 211 Persistence and degradability Components: White mineral oil (petroleum): Result: Not readily biodegradable. | |
| Components: White mineral oil (petroleum): Biodegradability : Result: Not readily biodegradable. | |
| White mineral oil (petroleum): Biodegradability : Result: Not readily biodegradable. | |
| Biodegradability : Result: Not readily biodegradable. | |
| Biodegradability : Result: Not readily biodegradable. | |
| Exposure time: 28 d | |
| clotrimazole: | |
| Stability in water : Hydrolysis: 50 %(242 d) | |
| Gentamicin: | |



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| Biode | Biodegradability | | Result: rapidly de Biodegradation: Exposure time: 2 Method: OECD T | 100 % |
| Bioac | cumulative potential | | | |
| Comp | onents: | | | |
| Partitio | micin: on coefficient: n- ol/water | : | log Pow: < -2 | |
| Partitio | nethasone: on coefficient: n- ol/water | : | log Pow: 2.11 | |
| | i ty in soil ta available | | | |
| • | adverse effects ta available | | | |

SECTION 13. DISPOSAL CONSIDERATIONS

| Disposal methods | | |
|------------------------|---|--|
| Waste from residues | : | Do not dispose of waste into sewer. Dispose of in accordance with local regulations. |
| Contaminated packaging | : | Empty containers should be taken to an approved waste handling site for recycling or disposal. If not otherwise specified: Dispose of as unused product. |

SECTION 14. TRANSPORT INFORMATION

International Regulations

| UNRTDG UN number Proper shipping name | : | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. |
|---|---|--|
| Class Packing group Labels Environmentally hazardous | : | (clotrimazole, Gentamicin) 9 III 9 yes |
| IATA-DGR UN/ID No. Proper shipping name Class Packing group Labels Packing instruction (cargo | | UN 3082 Environmentally hazardous substance, liquid, n.o.s. (clotrimazole, Gentamicin) 9 III Miscellaneous 964 |



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|--------------|---|--|---------------------|--|---|
| | ger airc | g instruction (passen- | : | 964 yes | |
| | IMDG- UN nur | Code | : | UN 3082 | ALLY HAZARDOUS SUBSTANCE, LIQUID, |
| | Labels EmS C | g group ode pollutant | :: | 9 III 9 F-A, S-F yes | |
| | • | ort in bulk according | | | OL 73/78 and the IBC Code |
| | | stic regulation | sup | pileu. | |
| | NOM-0 UN nur Proper Class | 02-SCT | : | UN 3082 ENVIRONMENTA N.O.S. (clotrimazole, Ge 9 III | ALLY HAZARDOUS SUBSTANCE, LIQUID, entamicin) |
| | | I precautions for use | r | 9 | |
| | The tra based Sheet. | nsport classification(s) upon the properties of | pro the catio | unpackaged mater | or informational purposes only, and solely ial as it is described within this Safety Data ode of transportation, package sizes, and |
| SEC | TION 1 | 5. REGULATORY INF | OR | MATION | |
| | Safety, mixtur | | nent | al regulations/leg | islation specific for the substance or |
| | Federal Law for the control of chemical precursors, : Not applicable essential chemical products and machinery for producing capsules, tablets and pills. | | | | |
| | The ing AICS | gredients of this prod | luct : | are reported in the not determined | ne following inventories: |

DSL : not determined

| IECSC | : | not determined |
|-------|---|----------------|
|-------|---|----------------|

SECTION 16. OTHER INFORMATION



Clotrimazole / Gentamicin / Betamethasone (0.1%) Formulation

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|-----------------|---------------------------------|-----|----------------------------------|--|
| | ion Date format | : | 30.09.2023 dd.mm.yyyy | |
| Full to | ext of other abbreviati | ons | | |
| ACGI NOM- | H 010-STPS-2014 | | Mexico. Norm NC the Work Environ | eshold Limit Values (TLV) DM-010-STPS-2014 on Chemicals Polluting ment - Identification, Assessment and Con- |
| | H / TWA 010-STPS-2014 / VLE- | | 8-hour, time-weig | |

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

The information is considered as correct, but not exhaustive, and will be used only as a guide, which is based in the current knowledge of the substance or mixture, and is applicable to proper safety precautions for the product.



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