

Benzylpenicillin / Streptomycin Sulphate / Procaine Hydrochloride / Piroxicam Liquid Formulation

| Version | Revision Date: | SDS Number: | Date of last issue: 2023/04/04 |
|---------|----------------|---------------|---------------------------------|
| 6.1 | 2023/09/30 | 2449561-00022 | Date of first issue: 2018/02/13 |

1. PRODUCT AND COMPANY IDENTIFICATION

| Product name | : | Benzylpenicillin / Streptomycin Sulphate / Procaine Hydrochlo- ride / Piroxicam Liquid Formulation |
|--|-----|---|
| Manufacturer or supplier's de | eta | ils |
| 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 ch | em | ical and restrictions on use |
| Recommended use Restrictions on use | : | Veterinary product Not applicable |

2. HAZARDS IDENTIFICATION

| GHS | Classification | |
|-----|----------------|--|
|-----|----------------|--|

| Serious eye damage/eye irri- tation | : | Category 2B |
|---|---|-------------------------------------|
| Respiratory sensitisation | : | Category 1 |
| Skin sensitisation | : | Category 1 |
| Reproductive toxicity | : | Category 1A |
| Specific target organ toxicity - single exposure | : | Category 2 (Nervous system, Heart) |
| Specific target organ toxicity - repeated exposure | : | Category 1 (Kidney, inner ear) |
| Specific target organ toxicity - repeated exposure | : | Category 2 (Gastrointestinal tract) |
| Short-term (acute) aquatic hazard | : | Category 1 |



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| Long hazai | -term (chronic) aquatic rd | : Category 1 | |
| GHS | label elements | | |
| Haza | rd pictograms | | ¥ |
| Signa | al word | : Danger | ▼ |
| Haza | rd statements | H320 Causes H334 May cau difficulties if in H360D May d H371 May cau H372 Causes prolonged or r H373 May cau through prolor | use allergy or asthma symptoms or breathing |
| Preca | autionary statements | · Prevention: | |
| | | P202 Do not h and understoc P260 Do not b P264 Wash sh P270 Do not e P272 Contam the workplace P273 Avoid re P280 Wear pr tion/ face prote | preathe mist or vapours. kin thoroughly after handling. eat, drink or smoke when using this product. inated work clothing should not be allowed out the elease to the environment. rotective gloves/ protective clothing/ eye protec- |
| | | P304 + P340 keep comforta P305 + P351 for several min easy to do. Co P308 + P311 CENTER/ doc | If skin irritation or rash occurs: Get medical ad- |



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P337 + P313 If eye irritation persists: Get medical advice/ attention.

P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER/ doctor.

P362 + P364 Take off contaminated clothing and wash it before reuse.

P391 Collect spillage.

Storage:

P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Additional Labelling

The following percentage of the mixture consists of ingredient(s) with unknown hazards to the aquatic environment: 3%

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) |
|------------------------|------------|-----------------------|
| Benzylpenicillin | 61-33-6 | >= 10 -< 25 |
| Streptomycin sulphate | 3810-74-0 | >= 10 -< 25 |
| Procaine hydrochloride | 51-05-8 | >= 1 -< 10 |
| Piroxicam | 36322-90-4 | >= 1 -< 3 |

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. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. 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. |



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| I | In case | of eye contact | : | In case of contact for at least 15 min | shoes before reuse. , immediately flush eyes with plenty of water nutes. ove contact lens, if worn. | | | |
| I | If swallowed Most important symptoms and effects, both acute and delayed Protection of first-aiders Notes to physician | | : | Get medical attention. If swallowed, DO NOT induce vomiting. Get medical attention. Rinse mouth thoroughly with water. | | | | |
| á | | | Never give anything by mouth to an unconscious person. May cause an allergic skin reaction. Causes eye irritation. May cause allergy or asthma symptoms or breathing difficuties if inhaled. May damage the unborn child. May cause damage to organs. Causes damage to organs through prolonged or repeated exposure. Excessive exposure may aggravate preexisting asthma and | | | | | |
| | | | : | tive airways dysfu First Aid responde and use the recor when the potentia | disorders (e.g. emphysema, bronchitis, reac- inction syndrome). ers should pay attention to self-protection, nmended personal protective equipment I for exposure exists (see section 8). | | | |
| | | | • | Treat symptomati | cally and supportively. | | | |
| 5. FIF | REFIG | ITING MEASURES | | | | | | |
| | | e extinguishing media Ible extinguishing | : | Water spray Alcohol-resistant (Carbon dioxide (Dry chemical None known. | | | | |
| 5 | media Specific hazards during fire fighting | | : | Exposure to comb | pustion products may be a hazard to health. | | | |
| ŀ | | ous combustion prod- | : | Carbon oxides Nitrogen oxides (I Sulphur oxides Oxides of phosph Metal oxides | | | | |
| | Specific ods | c extinguishing meth- | : | cumstances and t Use water spray t | measures that are appropriate to local cir- he surrounding environment. o cool unopened containers. ged containers from fire area if it is safe to do | | | |
| | Special for firefi | protective equipment ighters | : | | e, wear self-contained breathing apparatus. rective equipment. | | | |



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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 | (: I | See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section. f 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 vapours. 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 as- sessment Keep container tightly closed. Already sensitised individuals, and those susceptible to asthma, allergies, chronic or recurrent respiratory disease, should consult their physician regarding working with respira- tory irritants or sensitisers. Do not eat, drink or smoke when using this product. Take care to prevent spills, waste and minimize release to the |



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| | | | |
| Conditions for safe storage | | environment. : Keep in prope Store locked u Keep tightly clo | • |
| Materials to avoid | | Store in accord | dance with the particular national regulations. ith the following product types: |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

| Components | CAS-No. | Value type (Form of exposure) | Control parame- ters / Permissible concentration | Basis |
|------------------------|----------------|-------------------------------------|--|----------|
| Benzylpenicillin | 61-33-6 | TWA | 600 µg/m3 (OEB 2) | Internal |
| | Further inform | ation: RSEN, DS | SEN | |
| | | Wipe limit | 100 µg/100 cm2 | Internal |
| Streptomycin sulphate | 3810-74-0 | TWA | OEB 2 (>= 100 < 1,000 μg/m3) | Internal |
| | Further inform | ation: DSEN | | |
| Procaine hydrochloride | 51-05-8 | TWA | 60 µg/m3 (OEB 3) | Internal |
| | | Wipe limit | 600 µg/100 cm ² | Internal |
| Piroxicam | 36322-90-4 | TWA | 100 µg/m3 (OEB 2) | Internal |

| 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 equipme | ent | |
| Respiratory protection Filter type | | If adequate local exhaust ventilation is not available or expo- sure assessment demonstrates exposures outside the rec- ommended guidelines, use respiratory protection. Particulates type |
| Hand protection | | Ob emised as sisterat alone |
| Material | • | Chemical-resistant 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 |



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| | nd body protection ne measures | eye flushing syst ing place. When using do n Contaminated wo workplace. Wash contamina The effective ope engineering cont appropriate dego | emical is likely during typical use, provide ems and safety showers close to the work- ot eat, drink or smoke. ork clothing should not be allowed out of the ted clothing before re-use. eration of a facility should include review of rols, proper personal protective equipment, wining and decontamination procedures, e monitoring, medical surveillance and the |

9. PHYSICAL AND CHEMICAL PROPERTIES

| Appearance | : | liquid |
|---|---|-------------------|
| 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 |
| 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 flammability limit | : | No data available |
| Vapour pressure | : | No data available |
| Relative vapour density | : | No data available |



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| | | | | |
| Relativ | ve density | : | No data available | e |
| Densit | у | : | No data available | e |
| | lity(ies) ter solubility | : | No data available | e |
| | Partition coefficient: n- octanol/water Auto-ignition temperature | | Not applicable | |
| | | | No data available | e |
| Decon | position temperature | : | No data available | e |
| Viscos Vis | ity cosity, kinematic | : | No data available | e |
| Explos | ive properties | : | Not explosive | |
| Oxidiz | ing properties | : | The substance o | r mixture is not classified as oxidizing. |
| Molecu | ular weight | : | No data available | e |
| Particl | e size | : | Not applicable | |
| | | | | |

10. STABILITY AND REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

| Information on likely routes of | : | Inhalation |
|---------------------------------|---|--------------|
| exposure | | Skin contact |
| | | Ingestion |
| | | Eye contact |

Acute toxicity

Not classified based on available information.

Product:

Acute oral toxicity

: Acute toxicity estimate: > 2,000 mg/kg



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| | | | | |
| | | | Method: Calculati | on method |
| <u>Co</u> | mponents: | | | |
| | nzylpenicillin: | | | |
| Ac | ute oral toxicity | : | LD50 (Rat): 8,000 |) mg/kg |
| | | | LD50 (Mouse): > | 5,000 mg/kg |
| | ute toxicity (other routes of ministration) | : | LD50 (Mouse): 3, Application Route | |
| | | | LD50 (Mouse): 32 Application Route | |
| Stı | eptomycin sulphate: | | | |
| Ac | ute oral toxicity | : | LD50 (Hamster): | 400 mg/kg |
| | | | LD50 (Rat): 430 r | ng/kg |
| | | | LD50 (Mouse): 25 | 5,000 mg/kg |
| | ute toxicity (other routes of ministration) | : | LD50 (Mouse): 85 Application Route | |
| | | | LD50 (Mouse): 57 Application Route | |
| | | | LD50 (Mouse): 50 Application Route | |
| | | | TDLo (Dog): 220 Application Route Symptoms: Lowe | |
| | | | LDLo (Monkey): 1 Application Route | |
| | | | TDLo (Monkey): 3 Application Route Symptoms: respir | : Subcutaneous |
| Pro | ocaine hydrochloride: | | | |
| Ac | ute oral toxicity | : | LD50 (Rat): 200 r | ng/kg |
| | | | LD50 (Mouse): 35 | 50 mg/kg |



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| | | | | |
| | toxicity (other routes of istration) | : | LD50 (Rat): 43 m Application Route | |
| | | | LD50 (Mouse): 33 Application Route | |
| | | | LD50 (Dog): 33 m Application Route | |
| Piroxi | icam: | | | |
| Acute | oral toxicity | : | LD50 (Rat): 216 n | ng/kg |
| | | | LD50 (Dog): 108 i | mg/kg |
| | | | LD50 (Hamster): | 170 mg/kg |
| | | | LD50 (Guinea pig |): 388 mg/kg |
| | | | LD50 (Monkey): 1 | ,000 mg/kg |
| Acute | dermal toxicity | : | LD50 (Rat): > 5,00 | 00 mg/kg |
| Not cla | corrosion/irritation assified based on availa us eye damage/eye irri | | | |
| | es eye irritation. | | | |
| | oonents: | | | |
| Strept Result | tomycin sulphate: t | : | Mild eye irritation | |
| Proca Result | iine hydrochloride: t | : | Moderate eye irrit | ation |
| Respi | iratory or skin sensitisa | atio | 'n | |
| | sensitisation ause an allergic skin rea | actic | on. | |
| - | iratory sensitisation | | | |
| | ause allergy or asthma | sym | ptoms or breathing | difficulties if inhaled. |
| (:omn | | | | |
| | <u>oonents:</u> ylpenicillin: | | | |



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|--------------|--|---|---|---|---|
| | | | | | |
| : | Exposu Species Result | re routes S | : | Dermal Mouse Weak sensitizer | |
| : | Test Ty Exposu Species Result Remarł | re routes | : | Maximisation Tes Dermal Guinea pig positive Based on data fro | t m similar materials |
| | Result Remarl | s | : | Strong sensitizer Based on human | experience. |
| - | Test Ty | re routes | | Human repeat ins Dermal Humans Weak sensitizer | ult patch test (HRIPT) |
| | | ne hydrochloride: re routes ks | | Dermal Sensitiser Based on human Based on data fro | experience. m similar materials |
| | | ell mutagenicity ssified based on avail | able | information. | |
| _ | | p <u>nents:</u> penicillin: | | | |
| (| - | ell mutagenicity - | : | Weight of evidenc | e does not support classification as a germ |
| | - | omycin sulphate: xicity in vitro | : | Test Type: Chrom Result: equivocal | osomal aberration |
| (| Genoto | xicity in vivo | : | Test Type: Chrom Cell type: Human Result: negative | osomal aberration lymphocytes |
| | | ne hydrochloride: xicity in vitro | : | Test Type: Bacter Result: equivocal | ial reverse mutation assay (AMES) |



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|----------------|---|--|---|
| - | icam: toxicity in vivo | Species: I | Human lymphocytes |
| | nogenicity lassified based on ava | ilable informatior |). |
| Com | oonents: | | |
| Speci | cation Route EL | : Rat : Oral : 5 mg/kg b : negative | ody weight |
| Carcii ment | nogenicity - Assess- | : Weight of cinogen | evidence does not support classification as a car- |
| May o | oductive toxicity damage the unborn ch ponents: | ild. | |
| | ylpenicillin: | | |
| | ts on fertility | : Test Type Species: I Result: No | |
| | | Test Type Species: I Result: No | |
| | | Test Type Species: I Result: No | • |
| Effect ment | ts on foetal develop- | Species: I | : Development Mouse c effects on foetal development |
| | | Species: I | : Development Rat o effects on foetal development |
| | | Species: I | : Development Rabbit o effects on foetal development |



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| | | | |
| Strep | otomycin sulphate: | | |
| Effec | ts on fertility | Fertility: L | |
| Effec ment | Effects on foetal develop- ment | | : Development Nouse n Route: Intraperitoneal ental Toxicity: LOAEL: 250 mg/kg body weight s: fetal deafness, Embryo-foetal toxicity |
| | | Species: F Application Developm | : Development Rabbit n Route: Oral ental Toxicity: NOAEL: 10 mg/kg body weight teratogenic effects |
| Repro sessr | oductive toxicity - As- nent | : May dama | ge the unborn child. |
| Proc | aine hydrochloride: | | |
| Repro sessr | oductive toxicity - As- ment | : May dama | ge the unborn child. |
| Pirox | kicam: | | |
| Effec ment | ts on foetal develop- | Species: F Application Developm | n Route: Oral ental Toxicity: LOAEL: 10 mg/kg body weight nbryo-foetal toxicity, No teratogenic effects, Fetal |
| | | Species: F Application Developm Symptoms Result: En growth ret | n Route: Oral ental Toxicity: LOAEL: 30 mg/kg body weight :: foetal mortality nbryo-foetal toxicity, No teratogenic effects, Fetal |
| | | Species: F Application Developm | E Development Rat n Route: Oral ental Toxicity: LOAEL: 0.4 - 4 mg/kg body weight ects on foetal development |



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| Test Type: Development |
|---|
| Species: Rabbit |
| Application Route: Oral |
| Developmental Toxicity: NOAEL: 10 mg/kg body weight |
| Result: No embryo-foetal toxicity |
| |

| Reproductive toxicity - As- | : | Suspected of damaging the unborn child. |
|-----------------------------|---|---|
| sessment | | |

STOT - single exposure

May cause damage to organs (Nervous system, Heart).

Components:

Procaine hydrochloride:

| Target Organs | : | Nervous system, Heart |
|---------------|---|--------------------------|
| Assessment | : | Causes damage to organs. |

STOT - repeated exposure

Causes damage to organs (Kidney, inner ear) through prolonged or repeated exposure. May cause damage to organs (Gastrointestinal tract) through prolonged or repeated exposure.

Components:

Application Route

| Streptomycin sulphate: Target Organs Assessment | : | Kidney, inner ear Causes damage to organs through prolonged or repeated exposure. |
|---|---|--|
| Piroxicam: Target Organs Assessment | : | Gastrointestinal tract Causes damage to organs through prolonged or repeated exposure. |
| Repeated dose toxicity | | |
| Components: | | |
| Streptomycin sulphate: Species NOAEL Application Route Exposure time Remarks | | Rat 100 mg/kg Subcutaneous 72 Days No significant adverse effects were reported |
| Species LOAEL | : | Cat 200 mg/kg Oral |



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| | | | |
| | sure time et Organs | : 90 Days : inner ear | |
| Expo | | : Dog : 44 mg/kg : Intramusc : 14 Days : inner ear | ular |
| Expo Targe | | : Dog : 50 - 100 r : Intramusc : 20 Days : inner ear, : ataxia | ular |
| Expo | EL | : Monkey : 50 mg/kg : 100 mg/kg : Intramusc : 5 Days : Liver, Kide | ular |
| | EL cation Route sure time | : Rat : 5 mg/kg : Oral : 2 yr : No signifid | cant adverse effects were reported |
| Expo Targe | | : Monkey : 25 mg/kg : Subcutan : 66 Days : Blood, Liv : anemia | eous er, Kidney |
| - | ration toxicity lassified based on ava | ailable informatior | ı. |
| Expe | rience with human e | xposure | |
| Com | ponents: | | |
| Benz Inhala | ylpenicillin: ation | | s: Allergic reactions, Abdominal pain, bron- n, skin rash |
| Strep Inhala | otomycin sulphate: ation | : Target Or | gans: inner ear s: hearing loss |
| | | 1 | 5 / 21 |



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| | Skin co Procai Inhalati | ne hydrochloride: | : | Symptoms: nervo difficulties, Rash, Remarks: May ca Based on clinical Target Organs: He Symptoms: nervo difficulties, Rash, | ng loss ash entral nervous system usness, Dizziness, Convulsions, Breathing Swelling of tissue, irregular heart beat use harm to the unborn child. use eart usness, Dizziness, Convulsions, Breathing Swelling of tissue, irregular heart beat use harm to the unborn child. |
| | Piroxic Ingestic | | : | Symptoms: Diarrh | astrointestinal tract noea, constipation, flatulence, Headache, s, skin rash, Ulceration, chest pain, Ab- |
| 12. | 12. ECOLOGICAL INFORMATION | | N | | |
| | Ecotox | kicity | | | |
| | | onents: | | | |
| | Benzyl Toxicity | penicillin: / to fish | : | LC50 (Oncorhync Exposure time: 96 Method: OECD Te | |
| | | / to daphnia and other invertebrates | : | EC50 (Daphnia m Exposure time: 48 Method: OECD Te | |
| | Toxicity plants | / to algae/aquatic | : | EC50 (Raphidoce 100 mg/l Exposure time: 72 Method: OECD Te | |
| | | | | NOEC (Raphidoc mg/l Exposure time: 72 Method: OECD Te | |
| | | | | EC50 (blue-green Exposure time: 72 Method: OECD To | 2 hrs |



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| | | | | Exposure time: 72 | |
| | | | | Method: OECD To | est Guideline 201 |
| | M-Factoricity) | or (Acute aquatic tox- | : | 1 | |
| | | kicity to microorganisms | | EC50: > 500 mg/l Exposure time: 3 Test Type: Respir Method: OECD Te | h ation inhibition |
| | | | | NOEC: 5 mg/l Exposure time: 3 Test Type: Respir Method: OECD Te | ation inhibition |
| | Strepto | omycin sulphate: | | | |
| | Toxicity to daphnia and other aquatic invertebrates | | : | EC50 (Daphnia m Exposure time: 48 Method: OECD Te | |
| | Toxicity plants | v to algae/aquatic | : | EC50 (Microcystis Exposure time: 72 Method: ISO 8692 | |
| | | | | EC50 (Selenastru Exposure time: 72 Method: OECD Te | |
| | M-Facto icity) | or (Acute aquatic tox- | : | 100 | |
| | Toxicity | v to daphnia and other invertebrates (Chron- ty) | : | NOEC (Daphnia r Exposure time: 21 Method: OECD Te | |
| | M-Factor toxicity) | or (Chronic aquatic) | : | 100 | |
| | Procai | ne hydrochloride: | | | |
| | | icology Assessment aquatic toxicity | : | Toxic effects canr | not be excluded |
| | | aquatic toxicity | | Toxic effects canr | |
| | 5 | | • | . 5/10 01/00/0 00/1 | |



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| | | | | | |
| I | Piroxic | am: | | | |
| I | Ecotox | icology Assessment | | | |
| 1 | Acute a | quatic toxicity | : | Toxic effects cann | not be excluded |
| (| Chronic | aquatic toxicity | : | Toxic effects canr | not be excluded |
| I | Persist | ence and degradabili | ty | | |
| <u>(</u> | Compo | enents: | | | |
| I | Benzyl | penicillin: | | | |
| | | adability | : | Result: Readily bi Biodegradation: 7 Exposure time: 28 Method: OECD Te | 70.10 % |
| I | Bioacc | umulative potential | | | |
| <u>(</u> | Compo | nents: | | | |
| I | - | o mycin sulphate: n coefficient: n- /water | : | log Pow: -3.2 | |
| I | Procair | ne hydrochloride: | | | |
| | Partition octanol | n coefficient: n- /water | : | log Pow: 2.14 | |
| | | y in soil a available | | | |
| (| Other a | dverse effects | | | |
| I | No data | a available | | | |
| 13. D | ISPOS | AL CONSIDERATION | S | | |

| 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 han- dling site for recycling or disposal. If not otherwise specified: Dispose of as unused product. |

14. TRANSPORT INFORMATION

International Regulations

UNRTDG



Benzylpenicillin / Streptomycin Sulphate / Procaine Hydrochloride / Piroxicam Liquid Formulation

| Versior 6.1 | n | Revision Date: 2023/09/30 | | 9S Number: 49561-00022 | Date of last issue: 2023/04/04 Date of first issue: 2018/02/13 | | | |
|--|--|------------------------------|--|---|---|--|--|--|
| | | | | | | | | |
| UN number Proper shipping name | | : | : UN 3082 : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQU N.O.S. | | | | | |
| Pa La | Class Packing group Labels Environmentally hazardous | | : | (Benzylpenicillin, Streptomycin sulphate) 9 III 9 yes | | | | |
| U | IATA-DGR UN/ID No. Proper shipping name | | : | UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Benzylpenicillin, Streptomycin sulphate) | | | | |
| Pa La Pa | Class Packing group Labels Packing instruction (cargo aircraft) Packing instruction (passen- ger aircraft) Environmentally hazardous IMDG-Code UN number Proper shipping name | | :: | 9 III Miscellaneous 964 | | | | |
| Pa ge | | | : | 964 yes | | | | |
| U | | | : | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQ N.O.S. (Benzylpenicillin, Streptomycin sulphate) | | | | |
| Class Packing group Labels EmS Code Marine pollutant | | : : | 9 III 9 F-A, S-F 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



Benzylpenicillin / Streptomycin Sulphate / Procaine Hydrochloride / Piroxicam Liquid Formulation

| Version 6.1 | Revision Date: 2023/09/30 | | DS Number: 49561-00022 | | e of last issue: 2023/04/04 e of first issue: 2018/02/13 | | | | | | |
|----------------|--|----------|-----------------------------------|----------|--|--|--|--|--|--|--|
| ter o | | No. 8 | 87/M-IND/PER/9 | /2009 cc | 013 concerning the Revision of Minis oncerning Globally Harmonized Sys- | | | | | | |
| - | Regulation of the Minister of Health No. 472 of 1996 on the Safeguarding of Substances Hazardous to Health | | | | | | | | | | |
| | rdous substances that | must | be registered | : | : Not applicable | | | | | | |
| | Government Regulation No. 74 of 2001 on the Management of Hazardous and Toxic Sub- stances | | | | | | | | | | |
| Haza | rdous substances appr | oved | for use | : | : Not applicable | | | | | | |
| Prohi | ibited substances | | | : | : Not applicable | | | | | | |
| Rest | ricted 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 AICS | components of this pr | odu : | ct are reported not determined | | ollowing inventories: | | | | | | |
| DSL | | : | not determined | I | | | | | | | |
| IECS | C | : | not determined | I | | | | | | | |
| 16. OTHE | | | | | | | | | | | |
| Revis | sion Date | : | 2023/09/30 | | | | | | | | |
| Furth | ner information | | | | | | | | | | |
| comp | Sources of key data used to compile the Safety Data Sheet : Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, http://echa.europa.eu/ | | | | | | | | | | |
| Date | format | : | yyyy/mm/dd | | | | | | | | |
| | | | | | | | | | | | |

Full text of other abbreviations



Benzylpenicillin / Streptomycin Sulphate / Procaine Hydrochloride / Piroxicam Liquid Formulation

| Version | F |
|---------|---|
| 6.1 | 2 |

Revision Date: 2023/09/30 SDS Number: 2449561-00022

Date of last issue: 2023/04/04 Date of first issue: 2018/02/13

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

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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