

**Bio-Mycin® 200, solution for injection**

Version 1.0      Revision Date: 05/26/2023      SDS Number: 000000031360      Date of last issue: -  
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**SECTION 1. IDENTIFICATION**

Product name : Bio-Mycin® 200, solution for injection

Synonyms : Bio-Mycin® 200 (oxytetracycline injection); BIVATOP® 200 LA; OxyTet® 200 (oxytetracycline injection); Oxytetracycline Injection  
with active ingredient: Oxytetracycline Dihydrate

**Manufacturer or supplier's details**

Company name of supplier : Boehringer Ing. Pharma GmbH & Co.KG

Address : Binger Straße 173  
Ingelheim 55216  
Germany

Telephone : +498007790900

Prepared by : EHS-Services@Boehringer-Ingelheim.com

Emergency telephone number : Int. Emergency Telephone number: +1 703-527-3887  
German Emergency Telephone number: +49800 1817059

**Recommended use of the chemical and restrictions on use**

Recommended use : Veterinary product

Restrictions on use : Safety Data Sheet only for the professional user., For veterinary use only, Refer to the product insert for complete instructions on usage


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**SECTION 2. HAZARDS IDENTIFICATION****GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)**

Skin sensitisation : Category 1

Reproductive toxicity : Category 1B

**GHS label elements**

Hazard pictograms : 

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Signal word : Danger

Hazard statements : H317 May cause an allergic skin reaction.  
H360 May damage fertility or the unborn child.

Precautionary statements : **Prevention:**  
P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P261 Avoid breathing mist or vapours.  
P272 Contaminated work clothing must not be allowed out of the workplace.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

**Response:**  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P308 + P313 IF exposed or concerned: Get medical advice/ attention.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.  
P363 Wash contaminated clothing before reuse.

**Storage:**  
P405 Store locked up.

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

**Other hazards**

This drug is not subject to the labelling requirements under the Globally Harmonized System (GHS)

The pharmacological effect of the medicament has to be considered (see package leaflet).

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture : Mixture

Chemical nature : Mixture

**Components**

Chemical name	CAS-No.	Concentration (% w/w)
Polyethylenglycol, molecular mass > 200 - 1540	25322-68-3	>= 20 - < 30
Oxytetracycline dihydrate	6153-64-6	>= 10 - < 20
magnesium oxide	1309-48-4	>= 1 - < 5
Sodium formaldehyde sulphonylate, dihydrate	6035-47-8	>= 0.1 - < 1

Actual concentration is withheld as a trade secret

**SECTION 4. FIRST AID MEASURES**

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- General advice : In the case of accident or if you feel unwell, seek medical advice immediately.  
(show the package insert where possible).  
First Aid responders should pay attention to self-protection and use the recommended protective clothing  
Remove from exposure, lie down.  
Take off immediately all contaminated clothing.  
Victim to lie down in the recovery position, cover and keep him warm.
- If inhaled : Move to fresh air.
- In case of skin contact : Wash off immediately with plenty of water.
- In case of eye contact : Rinse immediately with plenty of water for at least 15 minutes.  
Keep eye wide open while rinsing.
- If swallowed : Rinse mouth.  
Drink plenty of water.
- Most important symptoms and effects, both acute and delayed : May cause an allergic skin reaction.  
May damage fertility or the unborn child.
- Notes to physician : Observe the summary of product characteristics of proprietary medicinal products  
Treat symptomatically.
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**SECTION 5. FIREFIGHTING MEASURES**

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Water  
Dry chemical  
Foam  
Carbon dioxide (CO<sub>2</sub>)
- Unsuitable extinguishing media : None known.
- Specific hazards during fire-fighting : In case of fire and/or explosion do not breathe fumes.
- Hazardous combustion products : Carbon oxides
- Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.  
Complete suit protecting against chemicals

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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions, protective equipment and emergency procedures : Wear personal protective equipment.  
Ensure adequate ventilation.  
High risk of slipping due to leakage/spillage of product.
- Environmental precautions : Do not flush into surface water or sanitary sewer system.
- Methods and materials for containment and cleaning up : Pick up and transfer to properly labelled containers.  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).

**SECTION 7. HANDLING AND STORAGE**

- Advice on protection against fire and explosion : No special protective measures against fire required.
- Advice on safe handling : Provide sufficient air exchange and/or exhaust in work rooms.
- Conditions for safe storage : Refer to the product insert for instructions on storage.
- Materials to avoid : Keep away from food, drink and animal feedingstuffs.  
Observe joint storage prohibition.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**
**Components with workplace control parameters**

Components	Basis	Category	Values	Remarks
Oxytetracycline Dihydrate 6153-64-6	BIEL	2	270 µg/m <sup>3</sup>	
	BIPC	1b		

**Abbreviations:**

BIEL = Boehringer Ingelheim Exposure Limit (internal value)

BI-STEL = Boehringer Ingelheim Short-Term Exposure Limit (Excursion limit)

BIPC = Boehringer Ingelheim Pregnancy Category

BIPC 1b: No risk of harm to the unborn is to be expected, when the exposure does not exceed the BIEL value. There is evidence in animals and/or humans that this material has the potential to cause harm to the unborn at exposure levels exceeding the BIEL value.

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Polyethylenglycol, molecular mass > 200 - 1540	25322-68-3	TWA (aerosol)	10 mg/m <sup>3</sup>	US WEEL
magnesium oxide	1309-48-4	TWA (Inhalable particulate matter)	10 mg/m <sup>3</sup>	ACGIH
		TWA (fume, total particulate)	15 mg/m <sup>3</sup>	OSHA Z-1
		TWA (Fume -	10 mg/m <sup>3</sup>	OSHA P0

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		total particulate)		
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**Engineering measures** : Local exhaust  
Emergency sprinkling nozzle

**Personal protective equipment**

**Respiratory protection** : General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

**Hand protection**  
**Material** : Nitrile rubber

**Remarks** : The break through time depends amongst other things on the material, the thickness and the type of glove and therefore has to be measured for each case.

**Eye protection** : Safety glasses with side-shields  
(Not necessary when using full face mask)

**Skin and body protection** : Laboratory: laboratory coat; Factory: disposable Overall.

**Protective measures** : Handle in accordance with good industrial hygiene and safety practice.  
Avoid contact with skin, eyes and clothing.  
Only use protective equipment in accordance with national/international regulations. Follow the national regulations about wearing personal protective equipment and the warranty given by the manufacturer for the safe function.

**Hygiene measures** : General industrial hygiene practice.  
Wash hands and face before breaks and immediately after handling the product.  
Keep working clothes separately.

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance** : liquid

**Colour** : clear, yellow, brown

**Odour** : No data available

# SAFETY DATA SHEET



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pH : 8.5 - 8.9

Melting point/range : No data available

Boiling point/boiling range : No data available

Flash point : No data available

Flammability (solid, gas) : Not applicable

Self-ignition : 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

Relative density : No data available

Density : No data available

Bulk density : Not applicable

Solubility(ies)  
Water solubility : No data available

Partition coefficient: n-octanol/water : No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Viscosity  
Viscosity, dynamic : No data available  
Viscosity, kinematic : No data available

Explosive properties : Not tested

Oxidizing properties : No data available

Particle size : Not applicable

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### SECTION 10. STABILITY AND REACTIVITY

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Reactivity : No dangerous reaction known under conditions of normal use.

Chemical stability : No decomposition if stored and applied as directed.

Possibility of hazardous reactions : No dangerous reaction known under conditions of normal use.

Conditions to avoid : No data available

Incompatible materials : No data available

Hazardous decomposition products : No data available

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**SECTION 11. TOXICOLOGICAL INFORMATION****Acute toxicity**

Not classified based on available information.

**Product:**

Acute oral toxicity : Acute toxicity estimate: > 5,000 mg/kg  
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate: > 5,000 mg/kg  
Method: Calculation method

**Components:****Polyethyleneglycol, molecular mass > 200 - 1540:**

Acute oral toxicity : LD50 (Rat, female): > 2,000 mg/kg  
Method: OECD Test Guideline 423

Acute dermal toxicity : LD50 (Rat, male and female): > 2,000 mg/kg  
Method: OECD Test Guideline 402

**Oxytetracycline dihydrate:**

Acute oral toxicity : LD50 (Rat): > 4,800 mg/kg  
The value is given in analogy to the following substances:  
Oxytetracycline, waterfree

LD50 (Mouse): = 6,696 mg/kg  
The value is given in analogy to the following substances:  
Oxytetracycline Hydrochloride

Acute inhalation toxicity : Remarks: No data available

Acute dermal toxicity : Remarks: No data available

**Skin corrosion/irritation**

Not classified based on available information.

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**Components:****Polyethylenglycol, molecular mass > 200 - 1540:**

Species : Rabbit  
Exposure time : 4 h  
Method : OECD Test Guideline 404  
Result : No skin irritation

**Oxytetracycline dihydrate:**

Remarks : No data available

**Serious eye damage/eye irritation**

Not classified based on available information.

**Components:****Polyethylenglycol, molecular mass > 200 - 1540:**

Species : Rabbit  
Result : No eye irritation  
Exposure time : 24 h  
Method : OECD Test Guideline 405

**Oxytetracycline dihydrate:**

Remarks : No data available

**Respiratory or skin sensitisation****Skin sensitisation**

May cause an allergic skin reaction.

**Respiratory sensitisation**

Not classified based on available information.

**Components:****Polyethylenglycol, molecular mass > 200 - 1540:**

Species : Guinea pig  
Method : OECD Test Guideline 406  
Result : Not a skin sensitizer.

**Oxytetracycline dihydrate:**

Result : May cause sensitisation by skin contact.  
The value is given in analogy to the following substances: Oxytetracycline Hydrochloride

**Germ cell mutagenicity**

Not classified based on available information.

**Components:****Polyethylenglycol, molecular mass > 200 - 1540:**

Genotoxicity in vitro : Test Type: Ames test  
Test system: Salmonella typhimurium



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Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 471  
Result: negative

Test Type: gene mutation test  
Test system: Chinese hamster ovary cells  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 476  
Result: negative

**Oxytetracycline dihydrate:**

Genotoxicity in vitro : Test Type: Ames test  
Test system: Salmonella typhimurium  
Result: negative  
The value is given in analogy to the following substances:  
Oxytetracycline Hydrochloride

Test Type: Mouse lymphoma assay  
Test system: mouse lymphoma cells  
Metabolic activation: without metabolic activation  
Result: negative  
The value is given in analogy to the following substances:  
Oxytetracycline Hydrochloride

Test Type: Mouse lymphoma assay  
Test system: mouse lymphoma cells  
Metabolic activation: with metabolic activation  
Result: positive  
The value is given in analogy to the following substances:  
Oxytetracycline Hydrochloride

Test Type: Chromosomal aberration test  
Test system: CHO (chinese hamster ovary)  
Result: negative  
The value is given in analogy to the following substances:  
Oxytetracycline Hydrochloride

Genotoxicity in vivo : Test Type: Micronucleus test  
Species: Mouse  
Result: equivocal  
The value is given in analogy to the following substances:  
Oxytetracycline Hydrochloride

**Sodium formaldehyde sulfoxylate, dihydrate:**

Germ cell mutagenicity - Assessment : In vitro tests showed mutagenic effects

**Carcinogenicity**

Not classified based on available information.

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**Components:**
**Oxytetracycline dihydrate:**

Species : Mouse  
 Application Route : Oral  
 Dose : 650, 1400 mg/kg/day  
 Remarks : Did not show carcinogenic effects in animal experiments.  
 The value is given in analogy to the following substances: Oxytetracycline Hydrochloride

Species : Rat  
 Application Route : Oral  
 Dose : 1000, 2000 mg/kg/day  
 Remarks : Inconclusive results in tests for carcinogenic effects in animals.  
 The value is given in analogy to the following substances: Oxytetracycline Hydrochloride

**IARC** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**OSHA** No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**Reproductive toxicity**

May damage fertility or the unborn child.

**Components:**
**Oxytetracycline dihydrate:**

Effects on fertility : Remarks: No data available

Effects on foetal development : Test Type: Two-generation study  
 Species: Rat  
 Application Route: Oral  
 Dose: 18 mg/kg/day  
 Symptoms: No adverse effects  
 The value is given in analogy to the following substances:  
 Oxytetracycline Hydrochloride

Species: Mouse  
 Application Route: Oral  
 Dose: 1325, 1670, 2100 mg/kg/day  
 General Toxicity Maternal: NOAEL: 1,670 mg/kg body weight  
 The value is given in analogy to the following substances:  
 Oxytetracycline, waterfree

Reproductive toxicity - Assessment : Clear evidence of adverse effects on development, based on animal experiments.  
 The value is given in analogy to the following substances:  
 Oxytetracycline, waterfree

**Sodium formaldehyde sulfoxylate, dihydrate:**

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Reproductive toxicity - Assessment : Some evidence of adverse effects on sexual function and fertility, and/or on development, based on animal experiments.

**STOT - single exposure**

Not classified based on available information.

**STOT - repeated exposure**

Not classified based on available information.

**Repeated dose toxicity****Components:****Oxytetracycline dihydrate:**

Species : Mouse  
NOAEL : 3,800 mg/kg  
Application Route : oral feed  
Exposure time : 13 weeks

The value is given in analogy to the following substances: Oxytetracycline Hydrochloride

Species : Dog  
NOAEL : 125 mg/kg  
Application Route : oral feed  
Exposure time : 52 weeks

The value is given in analogy to the following substances: Oxytetracycline Hydrochloride

Species : Dog  
NOAEL : 250 mg/kg  
Application Route : oral feed  
Exposure time : 24 months

The value is given in analogy to the following substances: Oxytetracycline Hydrochloride

**Aspiration toxicity**

Not classified based on available information.

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**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity****Components:****Polyethylenglycol, molecular mass > 200 - 1540:**

Toxicity to fish : LC50 (Poecilia reticulata (guppy)): > 100 mg/l  
Exposure time: 96 h  
Test Type: static test  
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 100 mg/l  
Exposure time: 48 h  
Test Type: static test  
Method: OECD Test Guideline 202

**Oxytetracycline dihydrate:**

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- Toxicity to fish : LC50 (Onchorhynchus mykiss): > 116 mg/l  
End point: mortality  
Exposure time: 96 h  
The value is given in analogy to the following substances:  
Oxytetracycline, waterfree
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 669 mg/l  
End point: Immobilization  
Exposure time: 48 h  
The value is given in analogy to the following substances:  
Oxytetracycline, waterfree
- Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (algae)): 3.1 mg/l  
Exposure time: 96 h  
Test Type: Growth inhibition  
Method: OECD Test Guideline 201  
The value is given in analogy to the following substances:  
Oxytetracycline, waterfree
- EC50 (Lemna minor (duckweed)): 2.1 mg/l  
Exposure time: 168 h  
Test Type: Growth inhibition  
The value is given in analogy to the following substances:  
Oxytetracycline, waterfree
- Toxicity to fish (Chronic toxicity) : Remarks: No data available
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : EC10 (Daphnia magna (Water flea)): 7.4 mg/l  
Exposure time: 21 d  
The value is given in analogy to the following substances:  
Oxytetracycline, waterfree
- Toxicity to microorganisms : EC50 (Pseudomonas putida): 0.22 mg/l  
Exposure time: 16 h  
Test Type: Growth inhibition  
The value is given in analogy to the following substances:  
Oxytetracycline, waterfree
- EC50 (activated sludge): 17.9 mg/l  
Exposure time: 3 h  
Method: Activated Sludge, Respiration Inhibition Test  
The value is given in analogy to the following substances:  
Oxytetracycline, waterfree

**Persistence and degradability**
**Components:**
**Polyethylenglycol, molecular mass > 200 - 1540:**

- Biodegradability : aerobic  
Result: Readily biodegradable.  
Biodegradation: 74.85 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301D

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**Oxytetracycline dihydrate:**

Biodegradability : Result: No data available

**magnesium oxide:**

Biodegradability : Remarks: The methods for determining biodegradability are not applicable to inorganic substances.

**Sodium formaldehyde sulfoxylate, dihydrate:**

Biodegradability : Remarks: No data available

**Bioaccumulative potential****Components:****Polyethyleneglycol, molecular mass > 200 - 1540:**

Bioaccumulation : Remarks: No bioaccumulation is to be expected (log P(o/w)<1).

Partition coefficient: n-octanol/water : log Pow: -0.698 (86 °F / 30 °C)

**Oxytetracycline dihydrate:**

Bioaccumulation : Bioconcentration factor (BCF): 25

Partition coefficient: n-octanol/water : log Pow: 0.025  
pH: 7.5

**magnesium oxide:**

Partition coefficient: n-octanol/water : Remarks: No data available

**Sodium formaldehyde sulfoxylate, dihydrate:**

Bioaccumulation : Remarks: An appreciable bioaccumulation potential is to be expected (log P(o/w) > 3).

Partition coefficient: n-octanol/water : log Pow: 3.4

**Mobility in soil****Components:****Oxytetracycline dihydrate:**

Distribution among environmental compartments : Remarks: No data available

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**Other adverse effects****Product:**

Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances  
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

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**SECTION 13. DISPOSAL CONSIDERATIONS****Disposal methods**

Waste from residues : Dispose of in accordance with local regulations.

Contaminated packaging : Packs that cannot be cleaned should be disposed of in the same manner as the contents.  
Uncontaminated packaging can be recycled.

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**SECTION 14. TRANSPORT INFORMATION****International Regulations****IATA-DGR**

Not regulated as a dangerous good

**IMDG-Code**

Not regulated as a dangerous good

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

Not applicable for product as supplied.

**National Regulations****49 CFR**

Not regulated as a dangerous good

**Special precautions for user**

Not applicable

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**SECTION 15. REGULATORY INFORMATION****CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

**SARA 302 Extremely Hazardous Substances Threshold Planning Quantity**

This material does not contain any components with a section 302 EHS TPQ.

**SARA 311/312 Hazards** : Respiratory or skin sensitisation  
Reproductive toxicity

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**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**Clean Air Act**

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489):

Polyethylenglycol, molecular mass > 200 - 1540	25322-68-3	>= 20 - < 30 %
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**Clean Water Act**

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

This product does not contain any priority pollutants related to the U.S. Clean Water Act

**US State Regulations**
**Massachusetts Right To Know**

magnesium oxide	1309-48-4
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**Pennsylvania Right To Know**

water	7732-18-5
Polyethylenglycol, molecular mass > 200 - 1540	25322-68-3
Oxytetracycline dihydrate	6153-64-6
magnesium oxide	1309-48-4

**Maine Chemicals of High Concern**

Product does not contain any listed chemicals

**Vermont Chemicals of High Concern**

Product does not contain any listed chemicals

**Washington Chemicals of High Concern**

Product does not contain any listed chemicals

**California List of Hazardous Substances**

magnesium oxide	1309-48-4
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**California Permissible Exposure Limits for Chemical Contaminants**

magnesium oxide	1309-48-4
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**The components of this product are reported in the following inventories:**

TCSI : On the inventory, or in compliance with the inventory

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TSCA	:	Product contains substance(s) not listed on TSCA inventory.
AIIC	:	Not in compliance with the inventory
DSL	:	This product contains the following components that are not on the Canadian DSL nor NDSL.  Oxytetracycline dihydrate  Sodium formaldehyde sulfoxylate, dihydrate
ENCS	:	Not in compliance with the inventory
ISHL	:	Not in compliance with the inventory
KECI	:	Not in compliance with the inventory
PICCS	:	Not in compliance with the inventory
IECSC	:	Not in compliance with the inventory
NZIoC	:	Not in compliance with the inventory
TECI	:	Not in compliance with the inventory

**TSCA list**

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

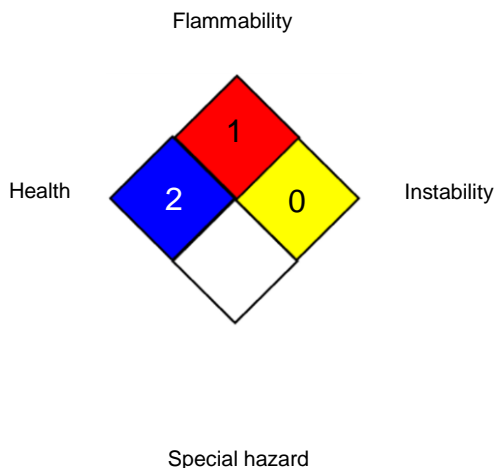
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**SECTION 16. OTHER INFORMATION****Further information**



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**NFPA 704:**

**HMIS® IV:**

<b>HEALTH</b>	*	<b>2</b>
<b>FLAMMABILITY</b>		<b>1</b>
<b>PHYSICAL HAZARD</b>		<b>0</b>

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "\*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

**Full text of other abbreviations**

ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
OSHA P0	:	USA. Table Z-1-A Limits for Air Contaminants (1989 vacated values)
OSHA Z-1	:	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
US WEEL	:	USA. Workplace Environmental Exposure Levels (WEEL)
ACGIH / TWA	:	8-hour, time-weighted average
OSHA P0 / TWA	:	8-hour time weighted average
OSHA Z-1 / TWA	:	8-hour time weighted average
US WEEL / TWA	:	8-hr TWA

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; 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; HMIS - Hazardous Materials Identification System; 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; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Develop-

**Bio-Mycin® 200, solution for injection**

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ment; 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; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Sources of key data used to compile the Safety Data Sheet : The specifications are based on own tests and/or literature data.

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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 given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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