

1 Identification of substance:

- **Product name:** Antimicrobial Vial A
- **Catalog number:** 233331
- **Manufacturer/Supplier:**
BD Diagnostic Systems
7 Loveton Circle
Sparks, MD 21152
Tel: (410) 771-0100 or (800) 638-8663
- **Information department:** Technical Services
- **Emergency information:**
In case of a chemical emergency, spill, fire, exposure, or accident contact BD Diagnostic Systems at (410)771-0100 or (800)638-8663, or ChemTrec at (800)424-9300.

2 Composition/Data on components:

- **Chemical characterization:**
- **CAS No. Description:**
Not applicable
- **Chemical characterization**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

chlortetracycline HCl	100.00%
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3 Hazards identification

· **Hazard description:**



Xn Harmful

· **Information pertaining to particular dangers for man and environment**

R 63 Possible risk of harm to the unborn child

· **NFPA ratings (scale 0-4)**



Health = 1
Fire = 0
Reactivity = 0

4 First aid measures

- **After inhalation** Supply fresh air; consult doctor in case of complaints.
- **After skin contact** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact** Rinse opened eye for 15 minutes under running water. Then consult a doctor.
- **After swallowing** If symptoms persist consult doctor.
- **Information for doctor** Show this product label or this MSDS.

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5 Fire fighting measures

- **Suitable extinguishing agents**
CO₂, ABC multipurpose dry chemical or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** Wipe up with damp sponge or mop.
- **Measures for cleaning/collecting:** No special measures required.

7 Handling and storage

- **Handling**
 - **Information for safe handling:** Ensure good ventilation/exhaustion at the workplace.
 - **Information about protection against explosions and fires:** No special measures required.
- **Storage**
 - **Requirements to be met by storerooms and receptacles:** 2 - 8 C
 - **Information about storage in one common storage facility:** Store away from oxidizing agents.
 - **Further information about storage conditions:** Store in cool, dry conditions in well sealed containers.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with limit values that require monitoring at the workplace:** Not required.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal Protective Equipment**
 - **General protective and hygienic measures**
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
 - **Breathing equipment:**
In case of brief exposure, use a chemical fume hood or a NIOSH/MSHA-approved respirator.
 - **Protection of hands:**



Chemical resistant gloves (i.e. nitrile, or equivalent).

- **Eye protection:** Safety glasses
- **Body protection:** Protective work clothing (lab coat).

USA

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9 Physical and chemical properties:

· **General Information**

Form:	Solid. Powder
Color:	Yellow
Odor:	Characteristic

· **Change in condition**

Melting point/Melting range: Not determined
Boiling point/Boiling range: Not determined

· **Flash point:** Not applicable

· **Flammability (solid, gaseous)** Product is not flammable.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Density:** Not determined

· **Solubility in / Miscibility with**
Water: Soluble

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Materials to be avoided:** Incompatible material: strong oxidizers.
- **Dangerous reactions** No dangerous reactions known
- **Dangerous products of decomposition:**
Carbon monoxide (CO) and carbon dioxide (CO₂)
Chlorine (Cl)

11 Toxicological information

· **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

Oral	LD50	2314 mg/kg (rat)
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chlortetracycline HCl

Oral	LD50	2314 mg/kg (rat)
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· **Primary irritant effect:**

- **on the skin:** No irritating effect.
- **on the eye:** No irritating effect.

· **Sensitization:**

Sensitizing effect through inhalation is possible with prolonged exposure.
Sensitizing effect by skin contact is possible with prolonged exposure.

· **Subacute to chronic toxicity:** Target organs: teeth and bones

· **Additional toxicological information:**

Product is suspected to cause damage to fertility.

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This product contains antibiotics. People with known or suspected allergies to antibiotics should use appropriate safety precautions when handling. People that are allergic to antibiotics may experience eye, skin, and respiratory irritation.

Harmful

The product shows the following dangers according to internally approved calculation methods for preparations:

12 Ecological information:

· **Ecotoxicological effects:**

· **Other information:**

The ecological effects have not been thoroughly investigated, but currently none have been identified.

· **General notes:** Not known to be hazardous to water.

13 Disposal considerations

· **Product:**

· **Recommendation**

Smaller quantities can be disposed of with solid waste.

Dispose of material in accordance with federal (40 CFR 261.3), state and local requirements.

This product is not considered a RCRA hazardous waste.

· **Uncleaned packagings:**

· **Recommendation:** Disposal must be made according to state and federal regulations.

· **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

· **DOT regulations:**

· **Hazard class:** -

· **Land transport ADR/RID (cross-border)**

· **ADR/RID class:** -

· **Maritime transport IMDG:**

· **IMDG Class:** -

· **Marine pollutant:** No

· **Air transport ICAO-TI and IATA-DGR:**

· **ICAO/IATA Class:** -

15 Regulations

· **SARA Section 355 (extremely hazardous substances)**

Substance is not listed.

· **SARA Section 313 (specific toxic chemical listings)**

Substance is not listed.

· **TSCA (Toxic Substances Control Act)**

Substance is not listed.

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· **California Proposition 65 - Chemicals known to cause cancer**

Substance is not listed.

· **California Proposition 65 - Chemicals known to cause reproductive toxicity for females:**

Substance is not listed.

· **California Proposition 65 - Chemicals known to cause reproductive toxicity for males:**

Substance is not listed.

· **California Proposition 65 - Chemicals known to cause developmental toxicity:**

Substance is not listed.

· **Carcinogenicity categories**

· **IARC (International Agency for Research on Cancer)**

Substance is not listed.

· **NTP (National Toxicology Program)**

Substance is not listed.

· **TLV (Threshold Limit Value established by ACGIH)**

Substance is not listed.

· **Product related hazard information:**

The product has been classified and marked in accordance with regulations on hazardous materials.

· **Hazard symbols:**

Xn Harmful

· **Risk phrases:**

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· **Safety phrases:**

7 Keep container tightly closed.

22 Do not breathe dust.

24/25 Avoid contact with skin and eyes.

36 Wear suitable protective clothing.

· **National regulations**

· **Technical instructions (air):**

Class	Share in %
III	25.0

16 Other information:

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· **Department issuing MSDS:** Safety and Environment Department

· **Contact:** Technical Service Representative