

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product name: **Tylosin Tartrate Soluble Powder**

Product Numbers: 1TYL003, 1TYL004, 3TYL001, 3TYL002

REACH No. : A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

CAS-No.: 1405-54-5

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Veterinary medicine, Macrolide antibiotic.

1.3 Details of the supplier of the safety data sheet

Company: Bimeda, Inc.
One Tower Lane, Suite 2250
Oakbrook Terrace Tower
Oakbrook Terrace, IL 60181
USA
Telephone: +1 630-928-0361

1.4 Emergency telephone number

Emergency Phone #: 800-424-9300 (Chemtrec Service)

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Sensitization, skin - Category 1

Serious eye damage/eye irritation - Category 2A

For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 GHS Label elements, including precautionary statements



Pictogram

Signal word

Warning

Hazard statement(s)

H317

May cause an allergic skin reaction.

H319

Causes serious eye irritation

Precautionary statement(s)

P264

Wash skin thoroughly after handling.

P270

Do not eat, drink or smoke when using this product.

P273

Avoid release to the environment.

P301 + P310

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P330

Rinse mouth.

P391

Collect spillage.

P405

Store locked up.

P501

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

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS – none

3. COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Substances**

Synonyms :	Tylosin Tartrate, Tylosin
Chemical Name:	Tylosin, (2R, 3R)-2, 3-dihydroxybutanedioate (salt)
Formula:	C ₄₆ H ₇₇ NO ₁₇ .xC ₄ H ₆ O ₆
Molecular Weight:	1066.2 g/mol
CAS-No.:	1405-54-5

Hazardous components:

Component	Classification	Concentration
Tylosin Tartrate	Sensitization, skin - Category 1 Serious eye damage/eye irritation - Category 2A	100% w/w

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES**4.1 Description of first aid measures****General advice**

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled

If breathed in, move person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician.

In case of skin contact

Wash with soap and copious amounts of water for at least 15 minutes. Remove contaminated clothing and shoes. Consult a physician.

In case of eye contact

Flush eyes with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Consult a physician.

If swallowed

Never give anything by mouth to an unconscious person. Wash out mouth with water provided person is conscious. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11.

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5. FIREFIGHTING MEASURES**5.1 Extinguishing media****Suitable extinguishing media**

Use water spray, carbon dioxide, dry chemical powder or suitable foam.

5.2 Special hazards arising from the substance or mixture

Emits toxic fumes under fire conditions.

5.3 Advice for firefighters

Wear self contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

5.4 Further information

No data available

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves. Wear disposable coveralls and discard them after use. Avoid dust formation. Ensure adequate ventilation.

Evacuate personnel to safe areas. Avoid breathing dust.

For personal protection see section 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

6.4 Reference to other sections

For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust clouds, as dusts may form an explosive mixture with air and any source of ignition such as flame or spark may cause fire or an explosion. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.
Recommended storage temperature: From +15°C to +30°C

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters – none known

8.2 Exposure controls

Appropriate engineering controls

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

Personal Protective Equipment:

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws. Wash and dry hands.

Body Protection

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N99 (US) or type P2 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- a) Appearance/Form: Light yellow powder
- b) Odor: Odorless
- c) Odor Threshold: No data available
- d) pH: No data available
- e) Melting point/freezing point: No data available
- f) Initial boiling point and boiling range: No data available
- g) Flash point: 878.00 - 968.00 °F (470.00 - 520.00 °C)
- h) Evaporation rate: No data available
- i) Flammability (solid, gas): No data available
- j) Upper/lower flammability or explosive limits: No data available
- k) Vapor pressure: No data available
- l) Vapor density: No data available
- m) Relative density: No data available
- n) Water solubility: Freely soluble
- o) Partition coefficient: No data available
- p) Auto-ignition temperature: 932 - 968 °F (500 - 520 °C)
- q) Decomposition temperature: No data available
- r) Viscosity: Not applicable
- s) Explosive properties: May be explosive if charged dust exposed to ignition source
- t) Oxidizing properties: No data available

9.2 Other safety information

No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity

No reactivity hazards known.

10.2 Chemical stability

Material is stable under normal conditions.

10.3 Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid

No data available.

10.5 Incompatible materials

Oxidizing agents.

10.6 Hazardous decomposition products

NO_x. Irritating and/or toxic fumes or gases. Emits toxic fumes under fire conditions.
In the event of fire: see section 5.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

LD50 Oral - rat >6200 mg/kg

LD50 Oral – mouse >6200 mg/kg

Skin corrosion/irritation

May cause an allergic skin reaction

Serious eye damage/eye irritation

Causes serious eye irritation

Respiratory

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

This material is not considered to be a carcinogen by IARC, NTP, or OSHA. A related material has not caused cancer in animal studies.

Reproductive toxicity

Based on available data, the classification criteria are not met. A related material did not cause adverse reproductive effects in animal studies.

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

Based on available data, the classification criteria are not met.

Additional Information

No data available.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

No ecotoxicity data noted

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product - Contact a licensed professional waste disposal service to dispose of this material. Observe all federal, state and local environmental regulations.

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)

Not regulated as hazardous waste.

IATA

Not regulated as a dangerous good.

15. REGULATORY INFORMATION

REACH No

A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

SARA 302 Components

Not listed

SARA 313 Components

Not listed

SARA 311/312 Hazards

Not listed

SAFETY DATA SHEET – Tylosin Tartrate Soluble Powder

Version 1.0

Revision Date 06/02/2015

Massachusetts Right To Know Components

Tylosin Tartrate
CAS-No.1405-54-5

Pennsylvania Right To Know Components

Tylosin Tartrate
CAS-No.1405-54-5

New Jersey Right To Know Components

Tylosin Tartrate
CAS-No.1405-54-5

California Right to Know Components

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

16. OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.

H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation

HMIS Rating

Health hazard: 2
Flammability: 1
Reactivity: 0

NFPA Rating

Health hazard: 2
Fire Hazard: 1
Reactivity Hazard: 0

Further information

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Preparation Information

Bimeda, Inc.
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