

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

 Version: 2.1
 Revision Date 09.03.2010

Print Date 09.03.2010

DENAGARD 10% PREMIX

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance or preparation

Substance No. : 000070002347
 NAH Substance Code : A-20003 B
 Trade name : DENAGARD 10% PREMIX
 : TIAMUTIN 10% PREMIX
 Product name : TIAMULIN FUMARATE COATED, PREMIX 10%
 Company : Novartis Animal Health Inc.
 : Schwarzwaldallee 215
 : CH - 4058 Basel
 : Switzerland

 Telephone : +41616971111
 Contact person : Phone (office hours) +41 61 697 30 65
 E-mail address : msds.nah@novartis.com

Emergency information

Emergency telephone : **Phone (24 h) +41 61 696 33 33**
 Emergency information : concerning transport see emergency phone number in the shipping documents
 : concerning storage see emergency phone number of local Novartis organization

2. HAZARDS IDENTIFICATION


Risk advice to man and the environment

Health Hazard : Irritating to eyes and respiratory system.
 : May cause sensitization by inhalation and skin contact.

 Environmental hazard in case of accident (Spillage/Leakage) : Do not contaminate waters and sewers.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature

Use : Veterinary medicinal product, Antibiotic
 Type of preparation : Premix feed additive

Hazardous components

Denomination	CAS-No.	Symbol(s)	R-phrase(s)	Concentration (% w/w)
Tiamulin fumarate	55297-96-6	Xn	R36/37	10.00

For the full text of the R-phrases mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

General advice : IN CASE OF SUSPECTED POISONING: Immediately call a physician.

 Inhalation : Remove to fresh air. Consult a physician if any symptoms develop and persist.

 Skin contact : Remove contaminated clothing and thoroughly wash the affected parts of the body with soap and water.

 Eye contact : Rinse eyes with clean water for several minutes and immediately call a physician.

 Ingestion : Rinse mouth with water. If you feel unwell, seek medical advice (show the label where possible). Never give anything by mouth to an unconscious person. Do NOT induce vomiting.

Notes to physician

Poisoning Symptoms : No information available.
 Antidote : No specific antidote is known! Apply symptomatic therapy.

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5. FIRE-FIGHTING MEASURES

- Combustibility : yes
- Suitable extinguishing media : Dry powder, foam, carbon dioxide (CO₂) or water spray (do not use water jet).
- Special protective equipment for fire-fighters : Use respirator to protect from fumes.
- Further information : Combustion products are toxic and/or irritant. Measures have to be taken to prevent the contaminated extinguishing agent from seeping into the ground or from spreading uncontrollably.
- Swiss Fire Prevention Code : F4 S

6. ACCIDENTAL RELEASE MEASURES

- Methods for cleaning up : Refer to protective measures listed in sections 7 and 8.
 Collect material in specially marked, tightly closing containers.
 Dampen solid material carefully to prevent it being blown away.
 Treat contaminated surfaces with water.
 Put washing water in containers too, to avoid any contamination of surface and ground water, water supplies and drains. Hose down the area for a prolonged period. Heavily contaminated soil layers have to be dug out.
 Spilled product cannot be used further and must be disposed of.
 If safe disposal is not possible, contact the manufacturer, the dealer or the local representative.
- Additional advice : Do not contaminate waters and sewers.

7. HANDLING AND STORAGE
Handling

- Safe handling advice : Take precautionary measures against static discharges.
 Avoid raising dust.
 Remove all sources of ignition.
 Avoid contact with skin, eyes and clothing.
 Do not eat, drink or smoke while working.
 In addition to the measures taken usually in the chemical works like dustproof filling and measuring equipment (including dust extraction), further personal protection measures may have to be implemented to avoid possible contact with the product.

Storage

- Advice on common storage : Keep away from food, drink and animal feedingstuffs.
 Store the product in closed original containers.
- Novartis storage class : 20.2
- Storage temperature: : min. 2 °C - max. 25 °C
- Other data : Protect from direct sunlight.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION
Personal protective equipment
Open handling

- Hand protection : Rubber gloves
 Type: Chloroprene (Neoprene, CR)
- Eye protection : Safety glasses (EN166)
- Skin and body protection : Lightweight protective clothing
- Hygiene measures : Shower or bathe at the end of working.
 Wash hands before breaks and immediately after handling the product.
 Thoroughly clean protective gear.

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12. ECOLOGICAL INFORMATION
Ecotoxicity effects

- Toxicity to fish : LC50 ca. 52 mg/l
 Species: *Oncorhynchus mykiss* (rainbow trout)
 Remarks: Derived from the active ingredient(s)
- Toxicity to daphnia : IC50 ca. 770 mg/l
 Species: *Daphnia magna* (water flea)
 Remarks: Derived from the active ingredient(s)
- Toxicity to algae : Species: Algae
 Remarks: No effect on maximum growth rate.
- Toxicity to soil organisms : LC50 > 1,000 mg/kg
 Species: *Eisenia foetida* (earthworm)
 Remarks: Derived from the active ingredient(s)

Behaviour in environmental compartments
Elimination Information (persistence and degradability)

- Biodegradability : no data available

13. DISPOSAL CONSIDERATIONS

- Product : Refer to protective measures listed in sections 7 and 8. Collect material in specially marked, tightly closing containers. Dispose of in an incinerator approved for chemicals. Spilled product cannot be used further and must be disposed of. If safe disposal is not possible, contact the manufacturer, the dealer or the local representative.
- Contaminated packaging : Dispose of empty containers in an incinerator approved for chemicals. Damaged Containers: Place original containers in specially marked larger ones. Check possibilities of recycling large empty containers, drums and barrels.

14. TRANSPORT INFORMATION

- Transport Condition : Transport + intermediate storage <=40°C

ADR/RID

- UN-Number : FREE
 Class : Not classified as dangerous good

IMDG

- UN-Number : FREE
 Class : Not classified as dangerous good

ICAO/IATA

- UN-Number : FREE
 Class : Not classified as dangerous good

- Postal delivery - Switzerland : 1 allowed

15. REGULATORY INFORMATION
Labelling according to EC Directives

- Symbol(s) : Xn Harmful
- R-phrases) : R36/37 Irritating to eyes and respiratory system.
 : R42/43 May cause sensitization by inhalation and skin contact.
- S-phrases) : S22 Do not breathe dust.
 : S24/25 Avoid contact with skin and eyes.
 : S36 Wear suitable protective clothing.

National legislation

- Weight limit (Switzerland - StFV) : 200,000 kg

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DENAGARD 10% PREMIX**16. OTHER INFORMATION****Text of R-phrases mentioned in Section 3**

R36/37 : Irritating to eyes and respiratory system.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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.
