

Section 1 - Identification of Chemical Product and Company

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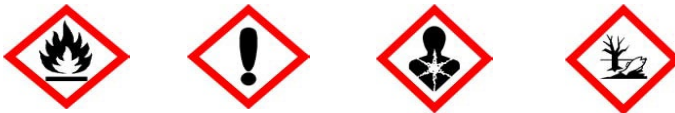
Trade Name: Alamycin Aerosol
Product Use: For the treatment of superficial infections of the foot and skin in cattle, sheep and pigs caused by organisms sensitive to oxytetracycline.
Creation Date: July, 2020
This version issued: November, 2020 and is valid for 5 years from this date.
Poisons Information Centre: Phone 0800 764 766 from anywhere in New Zealand

Section 2 - Hazards Identification

HSNO Approval number: HSR002194

HSNO Hazard Classification: 2.1.2A, 6.1D, 6.3B, 6.4A, 6.8B, 6.9A, 9.1B, 9.1C

GHS PICTOGRAM:



SIGNAL WORD: Danger

HAZARD STATEMENT:

- H223: Flammable aerosol.
- H302: Harmful if swallowed.
- H316: Causes mild skin irritation.
- H320: Causes eye irritation.
- H361: Suspected of damaging fertility or the unborn child.
- H372: Causes damage to organs through prolonged or repeated exposure
- H411: Toxic to aquatic life with long lasting effects.

PREVENTION:

- P102: Keep out of reach of children.
- P103: Read label before use.
- P201: Obtain special instructions before use.
- P202: Do not handle until all safety precautions have been read and understood.
- P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- P211: Do not spray on an open flame or other ignition source.
- P251: Pressurized container: Do not pierce or burn, even after use.
- P260: Do not breathe vapours/spray.
- P270: Do not eat, drink or smoke when using this product.
- P281: Use personal protective equipment as required.
- P273: Avoid release to the environment.

RESPONSE:

- P101: If medical advice is needed, have product container or label at hand.
- P301 + P312IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- P330: Rinse mouth.
- P332 + P313: If skin irritation occurs: Get medical advice/ attention.
- P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337 + P313: If eye irritation persists: Get medical advice/attention.
- P308 + P313: IF exposed or concerned: Get medical advice/ attention.
- 314: Get medical advice/attention if you feel unwell.

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P391: Collect spillage.

STORAGE:

P405: Store locked up.

P410 + P412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

DISPOSAL:

P501: Dispose of product, packaging and waste at an approved landfill or equivalent facility.

Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Concentration
Oxytetracycline hydrochloride	2058-46-0	35.8 g/kg
Methanol	67-56-1	<100 g/kg
Isopropanol	67-63-0	<100 g/kg
Other ingredients	secret	Balance

Section 4 - First Aid Measures

General Information: For advice contact the number is 0800 764 766 in New Zealand and is available at all times. Have this SDS with you when you call.

Inhalation: If inhalation occurs, contact a Poisons Information Centre. Urgent hospital treatment is likely to be needed. Remove source of contamination or move victim to fresh air. If breathing is difficult, oxygen may be beneficial if administered by trained personnel, preferably on a doctor's advice. DO NOT allow victim to move about unnecessarily. Symptoms of pulmonary oedema can be delayed up to 48 hours after exposure.

Skin Contact: Wash gently and thoroughly with water (use non-abrasive soap if necessary) for 5 minutes or until chemical is removed.

Eye Contact: Flush contaminated eye(s) with lukewarm, gently flowing water for 5 minutes or until the product is removed. Obtain medical advice if irritation becomes painful or lasts more than a few minutes. Take special care if exposed person is wearing contact lenses.

Ingestion: If product is swallowed or gets in mouth, do NOT induce vomiting; wash mouth with water and give some water to drink. If symptoms develop, or if in doubt contact a Poisons Information Centre or a doctor.

Section 5 - Fire Fighting Measures

Flash point: 12°C, Closed cup

Fire and Explosion Hazards: This product is classified as flammable. There is a moderate risk of an explosion from this product if commercial quantities are involved in a fire. Firefighters should take care and appropriate precautions. Vapours from this product are heavier than air and may accumulate in sumps, pits and other low-lying spaces, forming potentially explosive mixtures. They may also flash back considerable distances.

Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.

Fire Fighting Equipment: Use self-contained breathing apparatus and full protective clothing.

Extinguishing Media: Water fog or fine spray is the preferred medium for large fires. Try to contain spills, minimise spillage entering drains or water courses.

Fire Fighting: If a significant quantity of this product is involved in a fire, call the fire brigade. There is a danger of a violent reaction or explosion if significant quantities of this product are involved in a fire. Recommended personal protective equipment is full fire kit and breathing apparatus.

Section 6 - Accidental Release Measures

Personal Precautions: Use appropriate protective clothing.

Environmental Precautions: Prevent spilled material from entering water ways.

Methods and Materials for Containment and Cleaning up: For minor spills, clean up and absorb spills with inert material and place in waste containers, labelled for disposal. Contain in a secure location until disposal method is established. Dispose of waste safely. In the event of a major spill, prevent spillage from entering drains or water ways and call emergency services.

Section 7 - Handling and Storage

Handling: Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed.

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The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

Certified handler: Not applicable

Tracking: Not applicable

Storage: Store below 25°C, in a dry well ventilated area, out of direct sunlight. Keep from heat/sparks/open flames/hot surfaces. Avoid contact with incompatible materials listed in Section 10. Check packaging, there may be further storage instructions on the label.

Section 8 - Exposure Controls and Personal Protection

Occupational exposure limits:

SWA Exposure Limits	TWA (mg/m ³)	STEL (mg/m ³)
Methanol	262	328
Isopropanol	983	1230

The ADI for Oxytetracycline is set at 0.003mg/kg/day. ADI means Acceptable Daily Intake. Taken from Australian ADI List, June 2014.

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

Engineering Controls: Normal room ventilation is sufficient.

Ventilation: This product should only be used in a well ventilated area. If natural ventilation is inadequate, use of a fan is suggested.

Eye Protection: Protective glasses or goggles should be worn when this product is being used. Failure to protect your eyes may cause them harm. Emergency eye wash facilities are also recommended in an area close to where this product is being used.

Skin Protection: It is essential that all skin areas are adequately covered by impermeable gloves, overalls, hair covering, apron and face shield. See below for suitable material types.

Protective Material Types: We suggest that protective clothing be made from the following materials: Viton, nitrile, butyl rubber, Teflon, PE/EVAL, Responder.

Respirator: In case of inadequate ventilation wear respiratory protection.

Safety deluge showers should, if practical, be provided near to where this product is being handled commercially.

Section 9 - Physical and Chemical Properties

Appearance:	Blue suspension, presented as an aerosol
Odour:	Characteristic smell of isopropyl alcohol/methanol. Do not test for odour.
Odour threshold:	No data
pH:	8.4-8.8
Melting Point/Freezing point:	No data. Liquid at normal temperatures.
Initial boiling point and boiling range:	No data
Flash point:	12°C, Closed cup
Volatiles:	>90%
Flammability (solid, gas):	No data
Upper/lower flammability or explosive limits:	No data
Vapour pressure:	No data
Vapour density:	No data

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Relative density:	0.9 approximately
Solubility (ies):	Soluble (water solubility)
Auto-ignition temperature:	No data
Decomposition temperature:	No data
Viscosity:	No data

Section 10 - Stability and Reactivity

Reactivity: This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.

Conditions to Avoid: This product should be kept in a cool place, below 25°C, Keep containers and surrounding areas well-ventilated area out of direct sunlight. Keep away from heat/sparks/open flames/hot surfaces. No smoking.

Incompatibilities: Strong acids, strong bases, strong oxidising agents.

Fire Decomposition: Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Hydrogen chloride gas, other compounds of chlorine. Water. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

Section 11 - Toxicological Information

Acute toxicity:

Oxytetracycline hydrochloride: Oral LD50: 3600-4400 mg/kg (mouse)

Methanol:

Oral: LD50: 300 mg/kg (human)

Dermal: in primates, the acute dermal lethal dose is 393 mg/kg bw

humans are at least 6-10 times more susceptible to acute methanol toxicity than primates, human fatalities could be expected at 24 hour semi-occlusive dermal exposures of = 1000 mg/kg bw

Inhalation: vapour, primate data that indicates that death will occur in monkeys at around 52 mg/L for a 4 hour exposure

Humans are around 6-10 times more susceptible to acute methanol toxicity than primates.⁵ Human deaths might be expected with 4 hour exposures of = 10 mg/L

Isopropanol: Oral LD50: 3600 mg/kg (mouse)

Aspiration hazard: No data

Respiratory irritation: No data

Skin corrosion/irritation: Isopropanol: mildly irritating to the skin

Serious eye damage/ irritation:

Methanol: irritating to the eye

Isopropanol: Irritating to the eye

Respiratory or skin sensitisation: No data

Germ cell mutagenicity: No data

Carcinogenicity: No data

Reproductive toxicity: Methanol: suspected human reproductive or developmental toxicants

Specific organ toxicity: Methanol: toxic to human target organs or systems

Narcotic effects: No data

Section 12 - Ecological Information

Aquatic:

Oxytetracycline hydrochloride: Very ecotoxic in the aquatic environment

Algal/ Microcystis aeruginosa, 72 hr, EC50: 0.207 mg/l

Crustacean/ Penaeus vannamei (Whiteleg shrimp), 48 hr, EC50: 61.1 ug/ml (= 61.1 mg/l)

Terrestrial: Methanol: harmful to terrestrial vertebrates, Mouse, LD50: 870 mg/kg

Persistence and degradability: Oxytetracycline hydrochloride: No

DT50: 42-46 days in water; > 300 days in marine sedimen

Bioaccumulative: Oxytetracycline hydrochloride: No

Mobility in soil: No data

Other adverse effects: No data

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Section 13 - Disposal Considerations

Disposal: Dispose of product, packaging and waste at an approved landfill or equivalent facility. Avoid release to the environment.

Section 14 - Transport Information

UN Number: 1950

UN proper shipping name: AEROSOLS, toxic, flammable.

Dangerous goods class and subsidiary risk: 2

UN Packaging Group: Not set

Packing Instruction: P003

Environmental hazards: Marine pollutant.

Hazchem Code: 2YE

Special precautions when transporting the substance: No information.

Transport of Dangerous Goods Pictogram:



Section 15 - Regulatory Information

HSNO Approval number: HSR002194

ACVM number: A008134

Section 16 - Other Information

This SDS contains only safety-related information. For other data see product literature.

Acronyms:

CAS number	Chemical Abstracts Service Registry Number
SWA	Safe Work Australia
TWA	Time Weighted Average
STEL	Short Term Exposure Limit
UN Number	United Nations Number
ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail (7 th edition)
AICS	Australian Inventory of Chemical Substances
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
LD50	Lethal Dose for 50% of test organisms
EC50	Median effective concentration

THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS. OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

Date of preparation: November, 2020.

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