

# SAFETY DATA SHEET

## Engemycin®

### Section 1: Identification of the Substance and Supplier

<b>Product name</b>	<b>Engemycin</b>
<b>Recommended use</b>	Veterinary broad-spectrum antibiotic injection for use in horses, cattle, sheep, pigs, dogs and cats.
<b>Company details</b>	<b>Schering-Plough Animal Health Ltd</b> <b>33 Whakatiki Street, Upper Hutt 5018, New Zealand</b>  Phone: 0800 800 543 - Fax: 0800 808 100 Website: <a href="http://www.msd-animal-health.co.nz">www.msd-animal-health.co.nz</a> Hours: 8 am – 5 pm, Mon – Fri
<b>Emergency telephone</b>	<b>0800 764 766 (0800 POISON) 24 hours human health</b> <b>0800 243 622 (0800 CHEMCALL) 24 hours</b>
<b>Date of preparation</b>	April 2019

### Section 2: Hazards Identification

<b>Hazard classifications</b>	6.3A: Skin irritation 6.4A: Eye irritation 6.5B: Contact sensitiser 6.8B: Reproductive/Developmental toxicant 6.9B: Target organ systemic toxicant 9.1B: Aquatic ecotoxicant
<b>GHS Pictogram:</b>	
<b>Signal word</b>	Warning
<b>Hazard statement</b>	H315: Causes skin irritation. H319: Causes serious eye irritation. H317: May cause an allergic skin reaction. H361: Suspected of damaging fertility or the unborn child from repeated oral exposure. H373: May cause damage to nervous system, through prolonged or repeated oral or inhalation exposure. H411: Toxic to aquatic life with long lasting effects.
<b>Prevention statement</b>	P102: Keep out of the reach of children. P103: Read label before use. P202: Do not handle until all safety precautions have been read and understood. P260: Do not breathe mist. P264: Wash contacted areas thoroughly after handling. P272: Contaminated work clothing should not be allowed out of the workplace. P273: Avoid release to the environment P281: Use personal protective equipment as required.
<b>Response statement</b>	P302 + P352: IF ON SKIN: Wash with plenty of soap and water. P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308 + P313: IF exposed or concerned: Get medical advice/ attention. P321: See first aid instruction on the label of the product. P337 + P313: If eye irritation persists: Get medical advice/attention. P333 + P313: If skin irritation or rash occurs: Get medical advice/attention. P362 + P364: Take off contaminated clothing and wash before re-use. P391: Collect spillage.

# SAFETY DATA SHEET

## Engemycin<sup>®</sup>

<b>Storage</b>	P405: Store locked up.
<b>Disposal</b>	P501: Dispose of product, packaging and waste at an approved landfill or other approved facility.

### Section 3: Composition/Information on Ingredients

Chemical name	CAS number	Concentration
Oxytetracycline hydrochloride	2058-46-0	10%
Sodium formaldehyde sulfoxylate	6035-47-8	<1%
Ethanolamine	141-43-5	2%

### Section 4: First Aid Measures

<b>Necessary first aid measures</b>	<p><b>ACCIDENTAL SELF-INJECTION</b> Obtain medical attention - show this SDS. Accidental self-injection may lead to an inflammatory response and medical advice should be sought on the management of deep injections, particularly those near a joint or associated with bruising. If possible the application of gentle squeezing pressure with absorbent material (e.g. facial tissues) at the injection site will swab up unabsorbed product. Strong squeezing of the site should be avoided. The damaged area should be thoroughly cleansed and a topical antiseptic applied.</p> <p><b>SKIN CONTACT</b> While wearing protective gloves, carefully remove any contaminated clothing, including shoes, and wash skin thoroughly with soap and water. If irritation or symptoms occur or persist, consult a doctor.</p> <p><b>EYE CONTACT</b> Immediately rinse eyes thoroughly with plenty of water. If wearing contact lenses, remove only after initial rinse, and continue rinsing eyes for at least 15 minutes. If irritation occurs or persists, consult a doctor.</p> <p><b>INGESTION</b> Rinse mouth and drink a glass of water. Do not induce vomiting unless under the direction of a qualified medical professional or National Poisons Centre. If symptoms persist, consult a doctor.</p> <p><b>INHALATION</b> Remove to fresh air and provide oxygen if necessary. If any trouble breathing, get immediate medical attention. Administer artificial respiration if breathing has ceased. If irritation or symptoms occur or persist, consult a doctor.</p>
<b>Required instructions</b>	For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor.
<b>Notes for medical personnel</b>	<b>Accidental self-injection:</b> Treat symptomatically any allergic reaction to tetracycline or any local irritancy caused by ethanolamine. Some risk of hypersensitivity from injection. Contamination of the needle must be considered.
<b>Workplace facilities</b>	Emergency showers and eyewashes may be warranted depending on quantity and type of use.

**Engemycin<sup>®</sup>****Section 5: Fire Fighting Measures**

<b>Type of hazard</b>	Not classified as flammable
<b>Fire hazard properties</b>	Not applicable
<b>Regulatory requirements</b>	Not applicable
<b>Extinguishing media and methods</b>	Carbon dioxide (CO <sub>2</sub> ), extinguishing powder or water spray
<b>Hazchem code</b>	3Z (Contain spillage)
<b>Recommended protective clothing</b>	Wear self-contained breathing apparatus (SCBA) plus protective gloves.

**Section 6: Accidental Release Measures**

<b>Personal Precautions</b>	Avoid contact with skin, eyes and clothing. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
<b>Environmental Precautions</b>	Prevent spilled material from flowing onto adjacent land or into streams, ponds, or lakes. Avoid release to the environment.
<b>Emergency procedures</b>	Wear chemical resistant gloves and overalls, facemask or goggles. Prevent further spillage. Adsorb spilled product and place in sealable container for disposal. Wash down affected area with water plus detergent. Absorb and collect washings and place in the same sealable container for disposal. Seek advice from the local authority regarding disposal. Avoid contamination of any water source or soil with product or empty container.

**Section 7: Handling and Storage**

<b>Precautions for safe handling</b>	Avoid contact with skin, eyes, and mucosa. Keep containers adequately sealed during material transfer, transport, or when not in use. See Section 8 (Exposure Controls) for additional guidance.
<b>Regulatory requirements</b>	Signage required where quantities greater than 1000L are present. Emergency Plan required where quantities greater than 1000L are present.
<b>Handling practices</b>	Avoid contact with skin. Keep containers adequately sealed during material transfer, transport, or when not in use.
<b>Certified handlers</b>	Not required.
<b>Conditions for safe storage</b>	Store in original container in a cool, dry, ventilated place away from direct heat or direct sunlight. Keep container sealed when not in use. Keep out of reach of children.
<b>Store site requirements</b>	Store protected from light at room temperature (8°C to 30°C). DO NOT REFRIGERATE OR FREEZE.
<b>Packaging</b>	PG III

# SAFETY DATA SHEET

## Engemycin<sup>®</sup>

### Section 8: Exposure Control/Personal Protection

<b>Occupational exposure limits</b>	Ethanolamine TWA 3.0ppm (7.5mg/m <sup>3</sup> ) (OSH NZ)
<b>Application in the workplace</b>	Ensure adequate ventilation. Keep container sealed when not in use.
<b>Exposure standards outside the workplace</b>	No TEL is set for this substance at this time No EEL is set for this substance at this time
<b>Personal protection</b>	Wear chemical resistant gloves, facemask or goggles.
<b>Engineering controls</b>	The health hazard risks of handling this material are dependent on many factors, including physical form, duration and frequency of process or task, and effectiveness of engineering controls. Site-specific risk assessments should be conducted to determine the feasibility and the appropriateness of all exposure control measures. Exposure controls for normal operating or routine procedures follow a tiered strategy. Engineering controls are the preferred means of long-term or permanent exposure control. If engineering controls are not feasible, appropriate use of personal protective equipment (PPE) may be considered as alternative control measures. Exposure controls for non-routine operations must be evaluated and addressed as part of the site-specific risk assessment.

### Section 9: Physical and Chemical Properties

Appearance	Clear green to yellow solution
Boiling Point	Not determined
Melting/Softening point	Not applicable
Vapour Pressure	Not determined
Specific Gravity	1.099
Solubility (H <sub>2</sub> O)	Miscible
Percent Volatiles	Not determined
Evaporation Rate	Not determined

### Section 10: Stability and Reactivity

<b>Stability of the substance</b>	Stable under normal conditions.
<b>Conditions to avoid</b>	Avoid high temperatures.
<b>Material to avoid</b>	Avoid food products.
<b>Hazardous decomposition products</b>	May also evolve nitrogen oxides, sulphur oxides and carbon oxides when heated to decomposition.

# SAFETY DATA SHEET

## Engemycin<sup>®</sup>

### Section 11: Toxicological Information

#### Acute effects for individual ingredients only

ORAL	Ethanolamine LD50: 620 mg/kg (guinea pig) Oxytetracycline Hydrochloride LD50: 6696 mg/kg (mouse) Sodium Formaldehyde Sulphoxylate LD50 4000 mg/kg (mouse)
DERMAL	Ethanolamine LD50: 1mL/kg (rabbit)
TEL	No TEL is set for this substance at this time.

#### Chronic/long term effects for individual ingredients only

### Section 12: Environmental Information

#### Effects for individual ingredients only.

AQUATIC	Oxytetracycline Hydrochloride: 0.207 mg/L EC50 96hr (Microcystis aeruginosa) [EPA NZ]
EEL	No EEL is set for this substance at this time.

### Section 13: Disposal Considerations

#### Disposal information

#### Disposal

Dispose of unused contents in a suitable landfill. Where possible, dispose of unused product through AgRecovery Chemicals. Avoid contamination of any water source or the environment with product or empty container.

#### Container Disposal

Dispose of empty container by puncturing and burying in a suitable landfill. Where possible, recycle through AgRecovery. Do NOT burn.

#### Needle Disposal

Discarded needles should immediately be placed in a designated and appropriately labelled 'sharps' container

#### Reference

Current version of NZS 8409 Management of Agrichemicals

### Section 14: Transport Information

UN Number	UN3082
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (oxytetracycline hydrochloride)
UN dangerous goods class and subsidiary risk	9
UN Packaging Group	PG III
Environmental hazards	Marine Pollutant
Special precautions when transporting the substance	

# SAFETY DATA SHEET

## Engemycin®

### Section 15: Regulatory Information

**Regulatory status**

HSNO Approval Code: HSR002217.  
For a full listing of controls see [www.epa.govt.nz](http://www.epa.govt.nz)

ACVM registration number: A003308.  
For conditions of registration see [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz)

**RESTRICTED VETERINARY MEDICINE**

### Section 16: Other Information

**Additional information**

Engemycin is a registered trademark.

Schering-Plough Animal Health Ltd known as MSD Animal Health, is a subsidiary of Merck & Co., Inc., Whitehouse Station, NJ, USA. Schering-Plough urges each user or recipient of this SDS to read the entire data sheet to become aware of the potential hazards associated with this material. This SDS summarises, at the date of issue, our best knowledge of the health and safety hazard information. Although reasonable care has been taken in the preparation of this document, Intervet Limited extend no warranties and make no representations as to the accuracy or completeness of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequence of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).