

**VETMEC F BROAD SPECTRUM ANTIPARASITIC CATTLE INJECTION**

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**STATEMENT OF HAZARDOUS NATURE**

Not classified as hazardous according to the criteria of NOHSC Australia.

Not a Dangerous Good according to the Australian Dangerous Goods (ADG) Code.

**COMPANY DETAILS**

Company: Chemvet Australia Pty Ltd ACN 059 380 068  
Address: 1 / 8 Rocklea Drive, Port Melbourne, VIC 3207  
Phone: 1800 243 683  
Web: www.chemvet.com.au

**IDENTIFICATION**

**Product Name:** VETMEC F BROAD SPECTRUM ANTIPARASITIC CATTLE INJECTION  
**Risk Phrases:** Not Hazardous - No criteria found.  
**Safety Phrases:** Not Hazardous - No criteria found.  
**SUSDP** Classification: S5  
**ADG Classification:** None allocated. Not a Dangerous Good.  
**UN Number:** None allocated  
**Substance:** Ivermectin is a macrocyclic lactone; Clorsulon is a benzenesulfonamide derivative.  
**Product Use:** For the control and treatment of certain parasitic species in beef cattle as described on the product label.

**PHYSICAL AND CHEMICAL PROPERTIES:**

**Physical:** liquid.  
**Colour:** Clear, pale yellow  
**Odour:** Mild odour.  
**Boiling Point:** Not available.  
**Freezing/Melting Point:** No specific data. Liquid at normal temperatures.  
**Volatiles:** No specific data. Expected to be low at 100°C.  
**Vapour Pressure:** No data.  
**Vapour Density:** No data.  
**Specific Gravity:** 1.15

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Water Solubility: No data. Based in ingredients, this is likely to be soluble.  
 pH: 5.5-6.3  
 Volatility: No data.  
 Odour Threshold: No data.  
 Evaporation Rate: No data.  
 Coeff Oil/water Distrib: No data  
 Autoignition temp: No data.

**INGREDIENTS**

Chemical	CAS No	Proportion	Worksafe Exposure Limits	
			TWA, mg/m <sup>3</sup>	STEL, mg/m <sup>3</sup>
Ivermectin	70288-86-7	10g/L	not set	not set
Clorsulon	60200-06-8	100g/L	not set	not set
Other non hazardous ingredients including water	secret	to 100	not set	not set

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

The 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 should not be exceeded for more than 15 minutes and should not be repeated for 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.

<b>HEALTH HAZARD INFORMATION</b>
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Major Health Hazards: no significant risk factors have been found for this product.

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Potential Health EffectsInhalation

- Short Term Exposure: Significant inhalation exposure is considered to be unlikely. Available data indicates that this product is not harmful. In addition product is unlikely to cause any discomfort or irritation.
- Long Term Exposure: No data for health effects associated with long term inhalation.

Skin Contact:

- Short Term Exposure: Available data indicates that this product is not harmful. It should present no hazards in normal use. However product may be irritating, but is unlikely to cause anything more than mild transient discomfort.
- Long Term Exposure: No data for health effects associated with long term skin exposure.

Eye Contact:

- Short Term Exposure: Exposure via eyes is considered to be unlikely. This product may be irritating to eyes, but is unlikely to cause anything more than mild transient discomfort.
- Long Term Exposure: No data for health effects associated with long term eye exposure.

Ingestion:

- Short Term Exposure: Significant oral exposure is considered to be unlikely. This product, may be harmful, and is likely to cause headache and gastric disturbance such as nausea and vomiting if ingested in significant quantities. This product is unlikely to cause any irritation problems in the short or long term.
- Long Term Exposure: No data for health effects associated with long term ingestion.

Carcinogen Status:

- NOHSC: No significant ingredient is classified as carcinogenic by NOHSC.
- NTP: No significant ingredient is classified as carcinogenic by NTP
- IARC: No significant ingredient is classified as carcinogenic by IARC.

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**FIRST AID MEASURES****General Information:**

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia and is available at all times. Have this MSDS with you when you call.

**Self Injection:**

Accidental self injection may lead to an inflammatory response. 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.

**Inhalation:**

First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

**Skin Contact:**

Irritation is unlikely. However, if irritation does occur, flush with lukewarm, gently flowing water for 5 minutes or until product is removed. If in doubt obtain medical advice.

**Eye Contact:**

No effects expected. If irritation does occur, 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.

**Ingestion:**

If product is swallowed or gets in mouth, 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.

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**SAFE HANDLING INFORMATION****FIRE FIGHTING MEASURES**

## Fire and Explosion Hazards:

There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. Violent steam generation or eruption may occur upon application of direct water stream on hot liquids. Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.

## Extinguishing Media:

Preferred extinguishing media are carbon dioxide, dry chemical, foam, water fog.  
Fire Fighting: If a significant quantity of this product is involved in a fire, call the fire brigade.

Flash point:	Not flammable.
Upper Flammability Limit:	No data.
Lower Flammability Limit:	No data.
Autoignition temperature:	No data.
Flammability Class:	No data.

**ACCIDENTAL RELEASE MEASURES**

This product is sold in small packages, and the accidental release from one of these is not usually a cause for concern. For minor spills, refer to product label for specific instructions. No special protective clothing is normally necessary because of this product. However it is good practice to wear latex gloves when handling injectables products. In the event of a major spill, prevent spillage from entering drains or water courses and call emergency services

**HANDLING AND STORAGE**

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**Handling:**

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

**Storage:**

This product is a Scheduled Poison. Observe all relevant regulations regarding sale, transport and storage of this class of poison. Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight. Make sure that the product does not come into contact with substances listed under "Incompatibilities" in the Stability and Reactivity Section. Some liquid preparations settle or separate on standing and may require stirring before use. Check packaging - there may be further storage instructions on the label.

**EXPOSURE CONTROLS AND PERSONAL PROTECTION**

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

Respiratory equipment: AS/NZS 1715, Protective Gloves: AS 2161,  
Industrial Clothing: AS2919,  
Industrial Eye Protection: AS1336 and AS/NZS 1337, Occupational Protective Footwear:  
AS/NZS2210.  
Exposure Limits: TWA (mg/m<sup>3</sup>) STEL (mg/m<sup>3</sup>)

Exposure limits have not been established by NOHSC for any of the significant ingredients in this product.

The ADI for Ivermectin is set at 0.001mg/kg/day. The corresponding NOEL is set at 0.1mg/kg/day.

The ADI for Clorsulon is set at 0.02mg/kg/day. The corresponding NOEL is set at 2mg/kg/day.

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ADI means Acceptable Daily Intake and NOEL means No-observable-effect-level.  
Values taken from Australian ADI List, Dec 2003.

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.

- Ventilation:** No special ventilation requirements are normally necessary for this product. However make sure that the work environment remains clean and that vapours and mists are minimised.
- Eye Protection:** Eye protection is not normally necessary when this product is being used. However, if in doubt, wear suitable protective glasses or goggles.
- Skin Protection:** The information at hand indicates that this product is not harmful and that normally no special skin protection is necessary. However, we suggest that you routinely avoid contact with all chemical products and that you wear suitable gloves (preferably elbow-length) when skin contact is likely.
- Protective Material:** There is no specific recommendation for any particular protective material type.
- Respirator:** Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned above

**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:** Store in the closed original container in a dry, cool, well-ventilated area out of direct sunlight.
- Incompatibilities:** strong acids, strong bases, strong oxidising agents.
- Fire Decomposition:** Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Water. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.
- Polymerisation:** This product will not undergo polymerisation reactions.

**TOXICOLOGICAL INFORMATION**

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Local Effects:

Target Organs: There is no data to hand indicating any particular target organs.

Classification of Hazardous Ingredients

Ingredient Risk Phrases

No ingredient mentioned in the List of Designated Hazardous Substances is present in this product at hazardous concentrations.

**ECOLOGICAL INFORMATION**

This product is biodegradable. It will not accumulate in the soil or water or cause long term problems. However ivermectin is toxic to aquatic organisms. Do not contaminate dams, rivers or streams with product or empty containers.

**DISPOSAL CONSIDERATIONS**

Disposal: Dispose of empty container by wrapping with paper and putting in garbage. Discarded needles should immediately be placed in a designated and appropriately labelled 'sharps' container.

**TRANSPORT INFORMATION**

ADG Code: This product is not classified as a Dangerous Good. No special transport conditions are necessary unless required by other regulations.

**REGULATORY INFORMATION**

AICS: All of the significant ingredients in this formulation are to be found in the public AICS Database.

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The following ingredients: Ivermectin, Clorsulon, are mentioned in the SUSDP.

**OTHER INFORMATION**

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

## Acronyms:

ADG	Code Australian Code for the Transport of Dangerous Goods by Road and Rail
AICS	Australian Inventory of Chemical Substances
CAS Number	Chemical Abstracts Service Registry Number
Hazchem Number	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
IARC	International Agency for Research on Cancer
NOHSC	National Occupational Health and Safety Commission
NOS	Not otherwise specified
NTP	National Toxicology Program (USA)
R-Phrase	Risk Phrase
SUSDP	Standard for the Uniform Scheduling of Drugs & Poisons
UN Number	United Nations Number

THIS MSDS 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 MSDS 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

Please read all labels carefully before using product.

This MSDS is prepared in accord with the NOHSC document "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2011(2003)]

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