

**SAFETY DATA SHEET****A18199/05/AUS****PROFENDER FOR CATS****SECTION 1 – IDENTIFICATION, CONTACTS**

Bayer Australia Ltd 875 Pacific Highway Pymble NSW 2073	Emergency Telephone Number 1800 033 111 24 hour Emergency Service Australia Wide, Toll Free
	Contact Point (for non-emergency calls) Animal Health Division Telephone Number: (02) 9391-6000
Product Name	PROFENDER FOR CATS
Product Use	Spot-on treatment for intestinal worms in cats.
Other Names	Emodepside, Praziquantel This SDS covers the following three products: Profender for Small Cats and Kittens Profender for Medium Cats Profender for Large Cats
Creation Date	1 st July 2004
Revision Date	24 June 2013 (SDS is current for 5 years from this date)

SECTION 2 – HAZARDS IDENTIFICATION

Hazard Classification	HAZARDOUS SUBSTANCE
	NOT CLASSIFIED AS DANGEROUS GOODS when transported by road or rail within Australia under Special Provision AU01 of the Australian Dangerous Goods Code, 7th Edition.
	CLASSIFIED AS DANGEROUS GOODS when transported by sea or air.
Risk Phrases	Harmful if swallowed.
	Irritating to the skin
	Risk of serious damage to eyes.
	Very toxic to aquatic organisms
	May cause long-term adverse effects in the aquatic environment.
Safety Phrases	Do not breathe vapour.
	Take off immediately all contaminated clothing.
	Avoid contact with skin, wash immediately with plenty of soap and water.
	Avoid release to the environment.
	This material and its container must be disposed of as hazardous waste.
	RISK & SAFETY PHRASES ARE NOT REQUIRED ON PACKAGES INTENDED FOR END USERS. APPROPRIATE SAFETY DIRECTIONS AND FIRST AID STATEMENTS ARE SHOWN ON THE PRODUCT LABEL.

SECTION 3 – COMPOSITION		
Ingredients	CAS No	Proportion
Emodepside*	155030-63-0	2.14% w/v
Praziquantel**	55268-74-1	8.6% w/v
2-hydroxypropionic acid	50-21-5	2% w/v
1,2-isopropylidenglycerin	100-79-8	87.6% w/v
<p>*Emodepside is a depsipeptide: Bis-morpholino-cyclo-octadepsipeptide</p> <p>**Praziquantel is 2-(cyclohexylcarbonyl)-1,2,3,6,7,11b-hexahydro-4H-pyrazino (2,1-a) isoquinolin-4-one.</p>		

SECTION 4 – FIRST AID MEASURES	
Label Regulated First Aid Statement	If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 131126.
General	Remove soiled or soaked clothing immediately.
Scheduled Poisons	Poisons Information Centres in each State capital city can provide additional assistance for scheduled poisons. Phone 131126.
Inhalation	Harmful by inhalation. After inhalation remove from exposure and perform artificial respiration if necessary.
Skin contact	Remove contaminated clothing. Wash affected area immediately with soap and water. Seek medical attention if required.
Eye contact	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Ingestion	Harmful if swallowed. If vomiting occurs keep head lower than hips to help prevent aspiration. Seek medical attention if required.
Advice to doctor	<p>Emodepside is a semi-synthetic compound from the new class of depsipeptides active against ascarids and hookworms. It acts by stimulation of the pre-synaptic latrophilin receptor causing the paralysis and death of the parasite.</p> <p>Praziquantel is relatively harmless and is approved for use in human preparations (eg Biltricide)</p>

SECTION 5 – FIRE FIGHTING MEASURES	
Extinguishing Media	Sprayed water jet, foam, dry powder, CO ₂ , sand
Fire and Explosion Hazards	Combustible, flash point >80°C. Outer packaging may burn.
Hazardous Combustion Products	Not established.
Fire Fighting	<p>Fight fire in the early stages if safe to do so. Wear respiratory protection.</p> <p>In well ventilated areas wear full face mask with a combination filter. (Offers no protection from carbon monoxide)</p> <p>In enclosed premises: respirator with independent air supply.</p> <p>In case of fire, care must be taken to contain firefighting water.</p>

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Accidental Release	<p>Use any personal protective equipment listed in Chapter 8.</p> <p>Prevent spillage from spreading or entering soil, waterways and drains.</p> <p>Take up with absorbent material such as sawdust, peat or chemical binder. Fill material along with any contaminated soil etc., into sealable containers. Clean affected area with aqueous detergent and a small amount of water. Absorb this detergent/water with absorbent material. Place cleaning materials into the same container.</p> <p>Do not eat, drink or smoke during clean-up operation.</p> <p>Do not breathe vapour/spray.</p> <p>If product is released it must not be allowed to enter sewage systems, biological treatment plants, surface waters and/or groundwater.</p>
--------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

SECTION 7 – HANDLING AND STORAGE

Safe Handling	During normal use the packaging ensures safe handling. Follow instructions on the product label.
Storage	<p>Keep out of reach of children.</p> <p>Store away from food, drink or animal feeding stuffs.</p> <p>To maintain product quality, store below 30°C.</p> <p>Protect from temperatures below 0°C and above 50°C.</p> <p>Keep away from heat or moisture.</p> <p>This material is a Schedule 5 poison and must be stored, handled and used in accordance with the relevant regulations.</p>

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits	<p>No exposure allocated for emodepside or praziquantel.</p> <p>No exposure allocated for other ingredients.</p>
Ventilation	No ventilation is required under normal conditions of use.
Eye Protection	Avoid contact with eyes. No eye protection is required under normal conditions of use. Under other conditions of use wear safety goggles
Skin Protection	Avoid contact with skin. No skin protection is required under normal conditions of use. Under other conditions of use wear rubber gloves. Wash hands before breaks and at end of work.
Respirator	Do not inhale vapour. No respirator is required under normal conditions of use.
Protective Material Types	Rubber, latex.
General Advice	Avoid contact with eyes or skin. Clean working clothes and protective equipment with soap and water. Change badly soiled or soaked clothing. Wash hands before breaks and at the end of work. If product is splashed on skin, immediately wash area with soap and water. When using do not eat, drink, or smoke.

SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

Physical State	Liquid
Colour	Colourless
Odour	Slight characteristic smell
Boiling Point	Approx 190°C
Solidifying Range	Not available
Density	1.08 kg/L
Vapour Pressure	Not available
Viscosity	Not available
Solubility in Water	Miscible
pH	3.0-5.0
Flash Point	80°C
Ignition Temperature	Not available
Explosive Limits	Not available
Other Information	The product is packaged in individual, single dose tubes of 0.35 to 1.12 ml capacity. The tubes are packed in blister pack trays. The product is therefore well protected from accidental release.

SECTION 10 – STABILITY & REACTIVITY

Chemical Stability	Product is stable. No hazardous reactions when used as directed.
Conditions to Avoid	Avoid strong oxidising agents.
Incompatible Materials	None
Hazardous Decomposition	Not established.
Hazardous Reactions	Will not polymerise.

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute Toxicity	Oral LD ₅₀ (rat) >2000 mg/kg (of formulation) Dermal LD ₅₀ (rat) >2000 mg/kg (of formulation)
Local Effects	Eye: not irritating to the eye of rabbits Skin: not irritating to the skin of rabbits. Non skin sensitising in guinea pigs.
Reproductive Effects	None of the ingredients of the formulation have been shown to produce reproductive or teratogenic effects.
Mutagenicity	None of the ingredients of the formulation have been shown to produce mutagenic effects.
Carcinogenic Effects	Not established.

SECTION 12 – ECOLOGICAL INFORMATION

Octanol/Water Partition Co-efficient	$K_{ow} \log P = 4.9$ (emodepside) $K_{ow} \log P =$ not available (praziquantel)
Ecotoxicity	Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment. No data available for emodepside. Following data all for praziquantel. Fish LC ₀ (96h) 31.6 mg/L Zebra barbel (<i>Brachydanio rerio</i>) LC ₁₀₀ (96h) 100 mg/L Zebra barbel (<i>Brachydanio rerio</i>) LC ₀ (96h) >10 mg/L <i>Lepomis macrochirus</i> Daphnia EC ₀ (48h) 35 mg/L Water flea (<i>Daphnia magna</i>) EC ₁₀₀ (48h) 35 mg/L Water flea (<i>Daphnia magna</i>) Bacteria EC ₅₀ >10,000 mg/L Activated sludge

SECTION 13 – DISPOSAL INFORMATION

After Intended Use	Dispose of used applicators by wrapping in paper and placing in garbage
After spill or accident	Dispose of sealed containers at an approved local waste disposal site.

SECTION 14 – TRANSPORT INFORMATION

UN No	3082
UN Proper Shipping Name	Environmentally Hazardous Substance, Liquid, N.O.S. (Emodepside)
Class & Subsidiary Risk	9
Packaging Group	III
Hazchem Code	3Z
Special Note	NOT CLASSIFIED AS DANGEROUS GOODS when transported by road or rail within Australia under Special Provision AU01 of the Australian Dangerous Goods Code, 7th Edition. CLASSIFIED AS DANGEROUS GOODS when transported by sea or air.

SECTION 15 – REGULATORY INFORMATION

Poisons Schedule	Schedule 5
APVMA Registration	The products are registered by the APVMA.
Registration Numbers	59153, 59154, 59155.
Labelling	All necessary directions, precautions and warnings for normal use of the product are included on the product label.

SECTION 16 – OTHER INFORMATION

Summary of Changes from Last Edition	Routine Review and Update
Acronyms	<p>ADG Code Australian Code for the Transport of Dangerous Goods by Road and Rail</p> <p>APVMA Australian Pesticides and Veterinary Medicines Authority</p> <p>CAS Chemical Abstracts Service Registry Number</p> <p>HDPE High density polyethylene</p> <p>LDPE Low density polyethylene</p> <p>NOHSC National Occupational Health & Safety Commission</p> <p>SUSDP Standard for the Uniform Scheduling of Drugs and Poisons</p> <p>UN Number United Nations number</p>
Disclaimer	<p>This Safety Data Sheet has been developed according to the NOHSC National Code of Practice for the Preparation of MSDS [NOHSC:2011(2003)]. The data, information and recommendations herein ("information") are represented in good faith and believed to be correct as of the date hereof.</p> <p>The purpose of this Safety Data Sheet is to describe product in terms of their safety requirements. Bayer Australia Limited makes no representation of merchantability, fitness for a particular purpose or application, or of any other nature with respect to the information or the product to which the information refers ("the product"). The information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use of the product.</p> <p>The physical data shown herein are typical values based on material tested. These values should not be construed as a guaranteed analysis of any specific lot or as guaranteed specification for the product or specific lots thereof.</p> <p>Due care should be taken to make sure that the use or disposal of this product and / or its packaging is in compliance with relevant Federal, State and Local Government regulations.</p>

END OF SDS