



## SAFETY DATA SHEET

A18199/06/AUS

### PROFENDER FOR CATS

#### SECTION 1 – IDENTIFICATION, CONTACTS

Bayer Australia Ltd 875 Pacific Highway Pymble NSW 2073	<b>Emergency Telephone Number</b> 1800 033 111 24 hour Emergency Service Australia Wide, Toll Free  <b>Contact Point (for non-emergency calls)</b> Animal Health Division <b>Telephone Number:</b> (02) 9391-6000
---	---

Product Name	<b>PROFENDER FOR CATS</b>
Product Use	Spot-on treatment for intestinal worms in cats.
Other Names	Emodepside, Praziquantel This SDS is applicable to the following three products: Profender for Small Cats and Kittens Profender for Medium Cats Profender for Large Cats
Creation Date	1 <sup>st</sup> July 2004
Revision Date	12 December 2016

#### SECTION 2 – HAZARD IDENTIFICATION

Hazard Classification	HAZARDOUS SUBSTANCE NOT CLASSIFIED AS DANGEROUS GOODS under the Australian Dangerous Goods Code, 7th Edition.
GHS-Classification	<b>Eye irritation, Category 2</b> <b>Specific target organ toxicity - repeated exposure, Category 2</b> <b>Hazardous to the aquatic environment, Category 1</b> <b>Hazardous to the aquatic environment, Category 1</b>
Signal Word	<b>Warning</b>
Hazard Statements	<b>H319 Causes serious eye irritation.</b> <b>H373 May cause damage to organs through prolonged or repeated exposure.</b> <b>H410 Very toxic to aquatic life with long lasting effects.</b>
Precautionary statements	<b>Prevention:</b> P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. P273 Avoid release to the environment. P280 Wear protective gloves/ eye protection/ face protection <b>Response:</b> P314 Get medical advice/ attention if you feel unwell. P337 + P313 If eye irritation persists: Get medical advice/ attention. P391 Collect spillage

**SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS****Hazardous  
Components****Praziquantel**

Concentration [Weight percent] &lt; 10

CAS-No.: 55268-74-1

CAS name: 4H-Pyrazino(2,1-a)isoquinolin-4-one, 2-(cyclohexylcarbonyl)-1,2,3,6,7,11b-hexahydro-

GHS Classification:

Aquatic Chronic 3 H412

Acute Tox. 4 H312

**Lactic acid**

Concentration [Weight percent] &lt; 5

CAS-No.: 50-21-5

CAS name: Propanoic Acid, 2-Hydroxy-

GHS Classification:

Skin Irrit. 2 H315

Eye Dam. 1 H318 Also contains

**Emodepside**Concentration [Weight percent]  $\geq 1$  - < 2.5

CAS-No.: 155030-63-0

CAS name: Cyclo[(.alpha.R)-.alpha.-hydroxy-4-(4-morpholinyl)benzenepropanoyl- N-methyl-L-leucyl-(2R)-2-hydroxypropanoyl-N-methyl-L-leucyl-(.alpha.R)- .alpha.-hydroxy-4-(4-morpholinyl)benzenepropanoyl-N-methyl-L-leucyl- (2R)-2-hydroxypropanoyl-N-methyl-L-leucyl]

GHS Classification:

Acute Tox. 4 H302

STOT RE 1 H372

Aquatic Acute 1 H400

Aquatic Chronic 1 H410

**SECTION 4 – FIRST AID MEASURES****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**

Emodepside is a semi-synthetic compound from the 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. Praziquantel is relatively harmless and is approved for use in human preparations (eg Biltricide)

**SECTION 5 – FIRE FIGHTING MEASURES**

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

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

Accidental Release	Prevent spillage from spreading or entering soil, waterways and drains. 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. Do not eat, drink or smoke during clean-up operation. Do not breathe vapour/spray. If product is released it must not be allowed to enter sewage systems, biological treatment plants, surface waters and/or groundwater.
--------------------	---

**SECTION 7 – HANDLING AND STORAGE**

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

**SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION**

Exposure Limits	No exposure allocated for emodepside or praziquantel.
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

**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 <sub>50</sub> (rat) >2000 mg/kg (of formulation) Dermal LD <sub>50</sub> (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 <sub>ow</sub> logP = 4.9 (emodepside) K <sub>ow</sub> logP = not available (praziquantel)
Ecotoxicity	Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment. No data available for emodepside.  <b>Praziquantel</b>  <b>Fish</b> LC <sub>0</sub> (96h) 31.6 mg/L Zebra barbel ( <i>Brachydanio rerio</i> ) LC <sub>100</sub> (96h) 100 mg/L Zebra barbel ( <i>Brachydanio rerio</i> ) LC <sub>0</sub> (96h) >10 mg/L <i>Lepomis macrochirus</i>  <b>Daphnia</b> EC <sub>0</sub> (48h) 35 mg/L Water flea ( <i>Daphnia magna</i> ) EC <sub>100</sub> (48h) 35 mg/L Water flea ( <i>Daphnia magna</i> )  <b>Bacteria</b> EC <sub>50</sub> >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	<p>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.</p> <p>NOT CLASSIFIED AS DANGEROUS GOODS when transported by sea or air under limited quantities provisions</p>

**SECTION 15 – REGULATORY INFORMATION**

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

<b>SECTION 16 – OTHER INFORMATION</b>	
Summary of Changes	GHS Update.
Acronyms	<p><b>ADG</b> Code Australian Code for the Transport of Dangerous Goods by Road and Rail</p> <p><b>APVMA</b> Australian Pesticides and Veterinary Medicines Authority</p> <p><b>CAS</b> Chemical Abstracts Service Registry Number</p> <p><b>GHS</b> Globally Harmonized System of Classification and Labelling of Chemicals</p> <p><b>HDPE</b> High density polyethylene</p> <p><b>LDPE</b> Low density polyethylene</p> <p><b>OECD</b> Organisation for Economic Co-operation and Development</p> <p><b>STOT</b> Specific Target Organ Toxicity</p> <p><b>SUSDP</b> Standard for the Uniform Scheduling of Drugs and Poisons</p> <p><b>TWA</b> Time Weighted Average – average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day working week.</p> <p><b>UN Number</b> United Nations number</p> <p><b>WESAC</b> Workplace Exposure Standards for Airborne Contaminants: Safe Work Australia</p>
Disclaimer	<p>This Safety Data Sheet has been developed according to the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) Third revised edition. United Nations, 2009. The data, information and recommendations herein ("information") are represented in good faith and believed to be correct as of the date hereof. 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. 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. 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**