

Revised 24 Nov 2008

MATERIAL SAFETY DATA SHEET

FF250 Paste

Section 1 - Identification, contacts and hazardous nature:

Company	DigsFish Services Pty Ltd
Address	32 Bowsprit Cres Banksia Beach QLD 4507 AUSTRALIA
Telephone Number	(07) 3408 8443
Fax	(07) 3408 8443
Emergency Tel	24 Hr Chemical Emergency Service, Australia wide 1800033 111
Product Name	FF250
Other Names	praziquantel
Product Use	All purpose wormer for marine fishes

Section 2 - Hazards identification

Hazard Classification	Non-Hazardous substance, Non-dangerous goods
Risk Phrases	None
Safety Phrases	None

Section 3 - Composition

Ingredients	CAS no.	Proportion
praziquantel	55268-74-1	33%
Other ingredients determined not to be hazardous	-	67%

Section 4 - First Aid Measures

Label regulated first aid statement	None
General	Remove victim from contaminated area. If there is a risk of unconsciousness, position and transport in a stable lateral position. Remove soiled clothing immediately.
Scheduled poisons	Poison information centres in each capital city can provide additional assistance for scheduled poisons. Phone 131126.
Inhalation	In halation is unlikely, however if inhaled remove to fresh air. Seek medical attention if required.
Skin contact	Remove contaminated clothing. Wash effected area with soap and water. Seek medical attention if required.
Eye contact	Flush eye immediately with large amounts of water or normal saline, occasionally lifting eyelids, until no evidence of chemical remains. Seek medical attention if eye irritation persists
Ingestion	Praziquantel is bitter. If vomiting occurs keep head lower than hips to help prevent aspiration. Seek medical attention if required.
Advice to doctor	The drug praziquantel is approved for human use in Australia with an ADI of 0.02mg/kg BW/day and No Observable Effect Level (NOEL) of 20 mg/kg BW/day. Poisoning with this product is unlikely to occur, however if poisoning occurs, apply basic first aid and decontamination

	procedures. Treat symptomatically.
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Section 5 - Fire Fighting measures

Extinguishing media	Sprayed water, foam, dry powder CO2, sand
Fire and explosion hazards	Non combustible material. Outer packaging may burn
Hazardous combustion products	Thermal decomposition products include carbon monoxide.
Fire Fighting	Fight fire in early stages if safe to do so. Wear respiratory protection. In well ventilated areas, wear full facemask with a combination filter (offers no protection from carbon monoxide) In enclosed premises: respirator with independent air supply Contain firefighting water.

Section 6 - Accidental release measures

Accidental release	Use personal protective equipment listed in section 8. Spilled packaging should be shoveled up and placed in sealable containers for disposal. Do not empty into drains. If there is spillage avoid contact with the skin. Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. On completion of cleanup scrub area with detergent and water and rinse with water. Remove sources of ignition and do not eat, drink or smoke during cleanup
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Section 7 - Handling and storage

Safe Handling	No specific recommendations. Suitable container materials : low and high density polyethylene
Storage	Keep out of reach of children Store away from food, drink or animal feeding stuffs To maintain product quality, store below 30°C Keep away from heat and moisture

Section 8 - Exposure controls and personal protection

Exposure limits	No exposure allocated for praziquantel or any other ingredient
Ventilation	No ventilation required under normal conditions of use
Eye protection	No eye protection required under normal conditions of use. Under other conditions of use wear safety goggles
Skin protection	Use of rubber, latex or PVC gloves recommended when handling product. Wash hands after use.
Respirator	No respirator required under normal conditions of use.
General advice	none

Section 9 - Physical and chemical properties

Physical state	Creamy paste
Colour	White
Odour	Faint distinctive odour
Boiling point	130°C
Melting point	139-140°C
Density	1.28-1.35 @ 20°C
Viscosity	3500 cp
Vapour Pressure	<1 mm hg @ 20°C
Solubility in water	10g/L @ 20°C
pH	7 @ 100g/L in water at 20°C
Flash point/ignition temperature	165°C / 370°C
Extinguishing media:	Water, carbon dioxide, dry chemical powder or appropriate foam.

Section 10 - Stability and reactivity

Chemical stability	Product is stable. No hazardous reactions.
Conditions to avoid	Avoid strong oxidizing agents
Incompatible materials	chlorine, peroxides, strong acids, strong bases
Hazardous decomposition	Thermal decomposition products include carbon monoxide
Hazardous reactions	Will not polymerise

Section 11 - Toxicological information

Acute toxicity	Oral LD ₅₀ (rat) >2840 mg/kg Oral LD ₅₀ (mouse) >2500 mg/kg Dermal LD ₅₀ (rat) >2000 mg/kg
Local effects	Eye: slightly irritant to the eyes Skin: non-irritant to the skin. Non-sensitising to the skin
Reproductive effects	None of the ingredients in the formulation have been shown to produce reproductive or teratogenic effects
Mutagenicity	None of the ingredients in the formulation have been shown to produce mutagenic effects
Carcinogenic effects	None of the ingredients in the formulation have been shown to produce carcinogenetic effects

Section 12 - Ecological information

Octanol/water partition coefficient	Not available
Ecotoxicity	<p>Fish: LC₀ (96 h) 31.6 mg/L Zebra barbel (<i>Brachydanio rerio</i>) LC₁₀₀ (96 h) 100 mg/L Zebra barbel (<i>Brachydanio rerio</i>) LC₀ (96 h) > 10 mg/L <i>Lepomis macrochirus</i></p> <p>Daphnia: EC₅₀ (48 h) 35 mg/L water flea (<i>Daphnia magna</i>) EC₁₀₀ (48 h) 100 mg/L water flea (<i>Daphnia magna</i>)</p>

	Bacteria:EC ₅₀ > 10,000 mg/L activated sludge
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Section 13 - Disposal information

After intended use	Dispose of used packaging at approved local waste disposal site
After spill or accident	Dispose of at approved local waste disposal site

Section 14 - Transport information

UN Number, UN shipping name	Not classified
Class & subsidiary risk	Not classified
Packaging group/ hazchem code	Not classified

Section 15 - Regulatory information

Poisons schedule	Not scheduled
APVMA Registration	This product is currently designed for off label veterinary use and is not registered with the APVMA for use in Australia at this time.
Registration number	
Labelling	Directions, precautions and warnings for normal use of the product are included on the product label.

Section 16 - Other information

Disclaimer	<p>This Materials Safety Data Sheet (MSDS) has been developed according to the National Occupational Health and Safety Commission National Code of Practice for the Preparation of MSDS. The data, information and recommendations herein are represented in good faith and believed to be correct as of the date of publication. The purpose of this MSDS is to describe the product in terms of its safety requirements. DigsFish Services makes no representation of merchantability, fitness for a particular purpose or application, or of any other nature with respect to this information or the product to which this information refers.</p> <p>This information is supplied upon the condition that the persons receiving this information 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 and should not be construed as a guaranteed analysis of a specific lot or as a guaranteed specification for the product.</p> <p>Due care should be taken to ensure that the use and disposal of this product and/or its packaging is in compliance with relevant Federal, State and local government regulations.</p>
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