

# Prolong

Date of Issue: 20 December 2005

SDS NUMBER 1569/01 NZ

Date of previous issue:

## 1. Identification of the Substance/Mixture and Supplier.

Product name:	Prolong
Application:	Insecticide
ERMA approval:	HSR000274
Company:	Bayer New Zealand Limited, 3 Argus Place, Glenfield, Auckland, New Zealand.
Telephone:	0800 652 488
Facsimile:	0800 229 838
Emergency telephone:	0800 734 607 Orica SH&E Shared services (24hr)

## 2. Hazards Identification.

Hazard Classification:	Classified as hazardous according to the criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.
Classification and Type:	May cause damage to breast fed children. May cause damage to organs through prolonged or repeated exposure. Maybe very harmful to aquatic life and terrestrial invertebrates.

## 3. Composition/Information on Ingredients.

<u>Chemical Entity</u>	<u>CAS No</u>	<u>Proportion</u>
Beta-cyfluthrin	68359-57-5	12.5%

## 4. First Aid Measures.

General Information:	Remove victim from contaminated area. If there is a risk of unconsciousness, position and transport in a stable lateral position. .
Skin Contact:	Immediately remove all contaminated clothing, including footwear. Wash affected areas thoroughly with soap and water for at least 15 minutes. Seek medical attention if irritation persists. Take container / label or MSDS for identification.
Eye Contact:	Immediately wash open eye in a flow of water for at least 15 minutes. Seek medical assistance. Take container / label or MSDS for identification.
Ingestion:	Rinse mouth with water. Seek immediate medical assistance. Never give anything by mouth to an unconscious person. Take container / label or MSDS for identification.
Inhalation:	Remove patient to fresh air, avoid breathing vapours yourself. If not breathing apply resuscitation. Seek immediate medical assistance. Take container / label or MSDS for identification.
Notes for medical personal: Further Information:	The active ingredient belongs to the pyrethroid chemical group. Contact the National Poisons and Hazardous Chemicals Information centre in Dunedin, PO Box 913, Dunedin. Phone 0800 764 766, 0800 POISON.

## 5. Fire-Fighting Measures.

Extinguishing media and methods:	Sprayed water jet, foam, dry chemical powder CO <sub>2</sub> and sand.
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Recommended protective clothing:	Fire fighters should wear self contained breathing apparatus in enclosed areas. Fight fire in the early stages if it is safe to do so
Further Information:	Make provisions to contain firefighting water. In the event of a fire hydrogen chloride, hydrogen cyanide, hydrogen fluoride, carbon monoxide and nitrogen oxides must be anticipated.
<b>6. Accidental Release Measures.</b>	
Spill and leak procedure:	Do not empty into drains or waters. Take up spilled product with absorbent material (e.g. sawdust, peat, chemical binder). Fill materials taken up into closable container. To clean the floor and all objects contaminated by this material, use damp cloth. Also place used cleaning materials into closable receptacles. Do not eat, drink or smoke during cleanup operation.
Protective Equipment:	Wear self contained breathing apparatus in enclosed areas. In well ventilated areas a full face mask with combination filter P2 (offers no protection from carbon monoxide )In special cases additional measures for personal protection may be necessary, e.g. wearing chemical-resistant and possibly anti static protective gloves or boots and chemical-resistant suit with or without independent air supply.
<b>7. Handling and Storage.</b>	
Handling:	Keep container tightly closed.
Storage:	Keep out of reach of children. Keep locked away so that unauthorised persons do not have access. Keep away from food, drink and animal feeding stuffs. Store in a dry environment and protect from temperatures below -10°C and above 40°C.
Suitable container materials:	Stainless steel, HDPE (high density polyethylene) : V2A,V4A
<b>8. Exposure Control/Personal Protection</b>	
Engineering measures:	Use in well ventilated area
Respiratory Protection:	No specific requirements.
Hand Protection:	Protective gloves for chemical use.
Eye Protection:	Chemical safety goggles should be worn.
Hygiene measures:	Keep the place of work clean. Avoid contact with product. Keep working clothes separate. Change badly soiled or soaked clothing.
<b>9. Physical and Chemical Properties</b>	
Form:	Liquid suspension
Colour:	Beige
Odour:	Slight characteristic smell
Density:	1.06gm/cm <sup>3</sup> at 20°C
Solubility in water:	Miscible
<b>10. Stability and Reactivity</b>	
Hazardous decomposition products:	Hazardous decomposition products include hydrogen chloride, hydrogen cyanide, hydrogen fluoride, carbon monoxide and nitrogen oxides.
<b>11. Toxicological Information</b>	
Acute toxicity:	LD <sub>50</sub> oral, rat (male) 941mg/kg

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Skin irritation:	LD <sub>50</sub> oral, rat (female) 776mg/kg
Eye irritation:	LD <sub>50</sub> dermal, rat >5000mg/kg
	LD <sub>50</sub> inhal, rat >1.76 mg/L, aerosol, 4hr exposure
	Non irritant, rabbit
	Non irritant, rabbit
<b>12. Ecological Information</b>	
Fish toxicity:	LC <sub>50</sub> (96hr) 0.33µg/L Golden Orfe ( <i>Leuciscus idus</i> )
	LC <sub>50</sub> (96hr) 0.068 µg/L Rainbow trout ( <i>Oncorhynchus mykiss</i> )
	LC <sub>50</sub> (96hr) 0.28 µg/L ( <i>Lepomis macrochirus</i> )
Daphnia toxicity:	EC <sub>50</sub> (48hr) 0.29µg/L Water flea ( <i>Daphnia magna</i> )
Algal toxicity:	IC <sub>50</sub> (72hr) >10µg/L Green algae ( <i>Scenedesmus subspicatus</i> )
<b>13. Disposal Considerations.</b>	
Disposal Farm:	After intended use: Triple rinse empty container with water and empty into spray tank. Destroy the empty container by puncturing and crushing. Dispose of destroyed container by taking to an approved council disposal site or alternatively bury under at least 50cm of soil in a location away from houses, crops, stock, stock watering places, water supply and ground water.
Disposal Warehouse:	In cases where large amounts of product have become unusable, it should be established whether material utilisation is possible, (if necessary consult the manufacturing supplier). Small amounts of the product and uncleaned empty packaging should be packed, sealed, and labelled. Disposal should only be through an approved chemical waste disposal company.
Empty Container precautions:	Triple rinse empty container with water and empty into spray tank. Destroy the empty container by puncturing and crushing.
<b>14. Transportation Information.</b>	
Proper Shipping Name:	Environmentally Hazardous liquid. NOS (beta-cyfluthrin)
UN Number:	UN3082
Hazard Class:	9
Hazchem Code:	2X
Packing Group:	III
Flashpoint °C	-
Marine pollutant:	-
Hazardous substances regulations:	
<b>15. Regulatory Information.</b>	
HSNO Approval Number: HSR000274	
<b>HSNO Classification</b>	
6.8C Substances that produce Toxic Human Reproductive or Developmental Effects.	
6.9B Substances that are Harmful to Human Target Organs or Systems	
9.1A Substances that are Very Ecotoxic in the Aquatic Environment	
9.4A Substances that are Very Ecotoxic to Terrestrial Invertebrates	
<b>Controls for hazardous substances:</b>	
(1) This hazardous substance must be under the personal control of an approved handler when the substance is; applied in a wide dispersive manner; or used by a commercial contractor; or applied directly	

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onto or into water.

- Level 2 Emergency Management Information required when > 1 Litre is present in a workplace.
- Level 3 Emergency Management Plans required when > 100 Litres is presenting a workplace.
- When an excess of 100Litres is stored, signage is required for ecotoxic substance.

Controls of hazardous substances are based upon current knowledge. Where multiple chemicals are stored, controls will take into account aggregate quantities. Contact an ERMA Approved Test Certifier for further information and guidance.

## 16. Other Information.

OSH(2002) – Workplace exposure Standards, effective 2002.

DFG MAK – Federal Republic of Germany Maximum workplace Concentration Values in the Workplace

The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe products in terms of their safety requirements. The above details do not imply any guarantee concerning composition, properties or performance of the product.