



Material Safety Data Sheet

MSDS Ref No.	3028	Issue Date : October 2007	Issued by Scotts Australia Pty Ltd
Product Name:	SCOTTS PROCIDE 80SC INSECTICIDE/MITICIDE		

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	SCOTTS PROCIDE 80SC INSECTICIDE/MITICIDE	
Product Code	09060A	
Company Name	SCOTTS AUSTRALIA PTY LTD	
Address	11 Columbia Way Baulkham Hills NSW 2153 Australia	
Emergency Tel.	1800 033 111	
Telephone/Fax Number	Tel:(02) 8853 7300 Fax:(02) 8853 7310	
Recommended Use	Insecticide	
Other Names	<u>Name</u>	<u>Product Code</u>
	-	-

2. HAZARDS IDENTIFICATION

Hazard Classification	Classified as hazardous according to the criteria of ASCC Australia. Not classified as dangerous goods according to the Australian Dangerous Goods Code for Road & Rail.
Risk phrases	R22- Harmful if swallowed
Safety phrases	S2- Keep out of reach of children S13- Keep away from food, drink and animal feeding stuffs. S36/37- Wear suitable protective clothing and gloves. S39- Wear eye/face protection.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u> <u>Ingredients</u>
	Bifenthrin	82657-04-3	8%
	Other ingredients determined not to be hazardous	-	5-20%
	Water	7732-18-5	60-90%

4. FIRST AID MEASURES

Inhalation	Remove patient to fresh air. If breathing discomfort occurs, seek medical attention.
Ingestion	If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26.
Skin	If on skin, wash with soap and water. Remove contaminated clothing. If irritation occurs and persists see a doctor.
Eye	If in eyes, hold eyes open and flush with water for at least 15 minutes. If irritation occurs and persists, obtain medical attention.
First Aid Facilities	Soap, water
Advice to Doctor	Bifenthrin the active ingredient in this product is a pyrethroid insecticide. The product has moderate oral toxicity and may produce minor irritation. After removal from exposure treatment is symptomatic and supportive. Digestible fats, oils, alcohol and milk products increase absorption and should be avoided.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Foam, CO ₂ or dry chemical. Soft stream water fog if no alternatives. Contain all runoff.
Hazards from Combustion Products	On heating may emit toxic fumes of carbon monoxide, carbon dioxide, hydrogen chloride, chlorine, fluorine and hydrogen fluoride etc.
Special Protective Equipment for fire fighters	Isolate fire area. Evacuate downwind. Wear full protective clothing and self-contained breathing apparatus. Do not breathe or contact smoke, gases or vapours generated.

6. ACCIDENTAL RELEASE MEASURES

Emergency	Isolate and post spill area. Keep out unprotected persons and animals. Wear prescribed protective
-----------	---



Material Safety Data Sheet

MSDS Ref No.	3028	Issue Date : October 2007	Issued by Scotts Australia Pty Ltd
--------------	------	---------------------------	------------------------------------

Product Name: **SCOTTS PROCIDE 80SC INSECTICIDE/MITICIDE**

Procedures	clothing and equipment. Large spills should be dyked and absorbed with absorbent material such as sand, clay or cat litter. Vacuum shovel or pump spilled material into an approved container and dispose of as listed in section 13 or according to the Australian Standard 2507 - Storage and Handling of Pesticides.
Materials & Methods for Containment & Clean up	To clean spill area, tools and equipment, wash with a solution of soap, water and acetic acid/vinegar. Follow this with a neutralisation step of washing the area with a bleach or caustic soda ash solution. Finally, wash with a strong soap and water solution. Absorb, as above, any excess liquid and add both solutions to the drums of waste already collected. Do NOT allow spilled product or wash solution to enter sewers, drains, dams, creeks or any other waterways.

7. HANDLING AND STORAGE

Precautions for Safe Handling	Ensure containers are kept closed until using product. Avoid skin and eye contact and breathing vapour. When opening the container and preparing spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), elbow length nitrile gloves and face shield or goggles.
Conditions for Safe Storage	Store in the closed original container, in a cool well ventilated area, out of direct sunlight. Store in a room or place away from children, animals, food, feed stuffs, seed and fertilisers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards	No exposure standard for bifenthrin has been established by ASCC.
Biological Limit Values	No biological limit allocated.
Engineering Controls	Use in well ventilated area only. Use local exhaust at all process locations where spray may be emitted. Ventilate all transport vehicles prior to unloading. Keep containers closed when not in use.
Respiratory Protection	If inhalation risk exists, wear a properly fitted half-face or full-face air purifying respirator which is approved for pesticides (Australian Standards).
Eye Protection	When using product, wear chemical protective goggles or face shield.
Hand Protection	Wear chemical protective gloves made of materials such as nitrile, Viton® brand or PVC when handling this product. Inspect regularly for leaks. Wash the outside of gloves with soap and water prior to removal.
Body Protection	Wear cotton overalls buttoned to the neck and wrist (or equivalent clothing) and a washable hat, elbow-length PVC gloves and face shield or goggles.
Personal hygiene	Clean water should be available for washing in case of eye or skin contamination. Wash skin before eating, drinking or smoking. Shower at the end of the workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Beige to white liquid
Odour	Slightly musty odour
Boiling Point	Not available
Solubility in Water	Product suspends in water
pH Value	Not available
Specific gravity	1.02g/mL
Flammability	Not flammable
Corrosive hazard	Non-corrosive; compatible with stainless steel containers & polyethylene used in spray tanks and parts.
Flashpoint (°C)	Not applicable- not combustible
Poisons schedule	S6

10. STABILITY AND REACTIVITY

Chemical Stability	Product is considered stable in ambient conditions for a period of at least 2 years after manufacture.
Conditions to Avoid	No particular conditions to avoid.
Incompatible	No particular materials to avoid.



Material Safety Data Sheet

MSDS Ref No.	3028	Issue Date : October 2007	Issued by Scotts Australia Pty Ltd
--------------	------	---------------------------	------------------------------------

Product Name: **SCOTTS PROCIDE 80SC INSECTICIDE/MITICIDE**

Materials	
Hazardous Decomposition Products	When the product is heated to high temperatures, the active constituent will decompose and emit toxic fumes.
Hazardous Reactions	No particular reactions to avoid.

11. TOXICOLOGICAL INFORMATION

Potential health effects	Studies with laboratory animals have shown this product to be harmful if swallowed. Ingestion of large doses of bifenthrin by laboratory animals produced signs of toxicity which included clonic convulsions, tremors and bloody nasal discharge. Not irritating to eyes and skin.
Inhalation	Acute inhalation LC50 > 11.58 mg/L/4 hours. Not expected to be an inhalation hazard.
Ingestion	This product is harmful if swallowed; the acute oral LD50 (rat) = 632 mg/kg.
Skin	This product has a low dermal toxicity. The dermal LD50 (rabbit) > 2000 mg/kg. Skin sensitising may occur in sensitive individuals.
Eye	No irritating to eye. Product can be absorbed through the eyes.
Chronic Effects	No data available on this formulation. In studies with laboratory animals, Bifenthrin Technical did not cause teratogenicity or reproductive toxicity. Tremors were associated with repeated exposure of dogs, rats, rabbits and mice to Bifenthrin. The overall results from a battery of genotoxicity studies indicate that Bifenthrin is not considered to be genotoxic. Ames test results were negative.

12. ECOLOGICAL INFORMATION

Ecotoxicity	The active ingredient, Bifenthrin, is highly toxic to fish and aquatic arthropods with LC50 values ranging from 0.0038 µg/L to 17.8 µg/L. In general, the aquatic arthropods are the most sensitive species. Care should be taken to avoid contamination of the aquatic environment. Bifenthrin had no effect on molluscs at its limit of water solubility. Bifenthrin is only slightly toxic to both waterfowl and upland game birds with LC50 values range from 1800 mg/kg to > 2,150 mg/kg. <i>Dangerous to Fish</i> : Do not contaminate sewers, drains, dams, creeks or any other waterways with product or the used container.
Environ. Properties	The active ingredient, Bifenthrin, degrades at a moderate rate in agricultural soils (t½ = 50 to 205 days), and more rapidly on the surface of bare soils (t½ = 7 to 62 days). Bifenthrin is tightly bound in most soils and has extremely low water solubility.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations	Dispose of waste as indicated below or according to the Australian Standard 2507 - Storage and Handling of Pesticides. Wear prescribed protective clothing and equipment. Keep out animals and unprotected persons. Keep material out of streams and sewers. Vacuum, shovel or pump waste into an approved drum. To decontaminate spill area, tools and equipment, wash with a suitable solution (i.e. organic solvent, detergent, bleach or caustic soda) and add the solution to the drums of waste already collected. Label for contents. Dispose of drummed wastes, including decontamination solution, in accordance with the requirements of Local or State Waste Management Authorities. <i>Dangerous to Fish</i> : Do NOT allow spilled product or wash solution to enter sewers, drains, dams, creeks or any other waterways. Disposal of empty containers: Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on-site. If recycling, replace cap and return containers to recycler or designated collection point. If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If not available bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, vegetation and roots. Empty containers and product should not be burnt.
--------------------------------	---

14. TRANSPORT INFORMATION

Transport Information	Road & Rail Transport: Procide 80SC is not classified as a Dangerous Goods under the
------------------------------	---



Material Safety Data Sheet

MSDS Ref No.	3028	Issue Date : October 2007	Issued by Scotts Australia Pty Ltd
Product Name:	SCOTTS PROCIDE 80SC INSECTICIDE/MITICIDE		

Australian Code for the Transport of Dangerous Goods by Road and Rail.
Marine and Air Transport: Procide 80SC is a Marine Pollutant according to International Maritime Dangerous Goods (IMDG) Code and the International Air Transport Association (IATA). If transporting by sea or air the following Dangerous Goods Classification applies:- UN 3082, Class 9 (Miscellaneous Dangerous Goods), Packing Group III, Proper Shipping Name "ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains 8% Bifenthrin)".

15. REGULATORY INFORMATION

Regulatory Information Classified as a hazardous substance according to criteria of ASCC. (Xn). This product is registered under the Agricultural and Veterinary Chemicals Code Act 1994. Product Registration No. 55020.
Product is not classified as a Dangerous Good according to the ADG Code (6th Ed).
Product is classified as a Dangerous Good according to International Maritime Dangerous Goods (IMDG) Code and the International Air Transport Association (IATA).

Poisons Schedule S6

16. OTHER INFORMATION

Date of preparation or last revision of MSDS MSDS Created: October 2007

Contact Person/Point

Scotts Australia Pty Ltd 11 Columbia Way Baulkham Hills NSW 2153 Phone (02) 8853 7300 Fax (02) 8853 7310 Emergency phone 1800 033 111 ...End of MSDS...	New Zealand: 180c Great South Rd Takanini, Auckland Phone (09) 299 6558 Fax (09) 296 0186 Emergency phone 0800 734 607
---	---