



Material Safety Data Sheet

MSDS No.	3058	Issue Date : June 2007	ISSUED by SCOTSAU
Product Name :	SCOTTS CROWN 225SL SYSTEMIC INSECTICIDE		

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	SCOTTS CROWN 225SL SYSTEMIC INSECTICIDE
Product Code	9075, 9071
Manufacturer	SCOTTS AUSTRALIA PTY LTD
Address	11 Columbia Way Baulkham Hills NSW 2153 Australia
Emergency Tel.	1800 033 111
Telephone/Fax	Tel:(02) 8853 7300
Number	Fax:(02) 8853 7310
Recommended Use	Systemic insecticide

2. HAZARDS IDENTIFICATION

Hazard Classification	Classified as hazardous according to NOHSC. Not classified as dangerous goods according to the ADG Code.
Risk phrases	R22- Harmful if swallowed. R36/38- irritating to eyes and skin.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion	Ingredients
	Acetamiprid	135410-20-7	225g/L	
	Dimethyl sulfoxide	67-68-5	514g/L	
	N-methyl-2-pyrrolidone	872-50-4	334g/L	
	Other ingredients determined not to be hazardous	-	37g/L	

4. FIRST AID MEASURES

Inhalation	If inhaled, remove to fresh air and keep at rest. Obtain medical advice if at all worried. If not breathing give artificial respiration. If breathing is difficult administer oxygen.
Ingestion	If poisoning occurs, contact a doctor or Poisons Information Centre (phone 131126). Wash out mouth with water. Do not induce vomiting. Give a glass of water. Keep patient at rest and seek medical advice.
Skin	Carefully remove contaminated clothing. Wash affected areas thoroughly with soap and water. Seek medical aid if at all worried.
Eye	Rinse eyes immediately with clean water, holding eyes open, for at least 15 minutes and see a doctor.
Advice to doctor	No specific antidote. Treat according to symptoms. Symptoms from overexposure to the product include irritation, nausea, vomiting, headache, confusion, liver effects, lethargy, muscle tremors and convulsions.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Foam, dry chemical, carbon dioxide, water spray. Contain all runoff.
Hazards from Combustion Products	The product is a class C1 Combustible liquid. On combustion toxic fumes such as oxides of carbon, nitrogen and sulphur, hydrogen chloride and other toxic substances may be emitted and may form explosive mixture with air.
Instructions and personal protection for fire fighters	Isolate fire area. Evacuate downwind residents. Fire fighters should wear full protective gear including self-contained breathing apparatus (AS/NZS 1715-1716). If possible and without risk, remove intact containers from exposure to fire. Otherwise, spray un-opened containers with water to keep cool. Contain fire-fighting water by bounding area with sand or earth to prevent it entering any bodies of water. Dispose of fire control water or other extinguishing agent and spillage safely later.



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6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Avoid contact with the spilled material or contaminated surfaces. Extinguish all possible sources of ignition. When dealing with spills do not eat, drink, or smoke. Wear personal protective clothing and equipment. Prevent spilled material from entering drains and watercourses. Contain spill and absorb with earth, sand, clay or other absorbent material. Collect and store in properly labelled sealed drums for safe disposal. Dispose of waste product through a reputable waste contractor. Thoroughly ventilate the area after cleanup. Deal with all spillages immediately. After cleaning up spills, flush area with water taking care that washings do not enter sewers, drains or other waterways. If contamination of drains, streams, watercourses etc is unavoidable, warn the local water authority. Wash contaminated equipment taking care that washings do not enter sewers, drains and other waterways.
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7. HANDLING AND STORAGE

Precautions for Safe Handling	Wear appropriate personal protective equipment as set out in section 8 of this MSDS. Do not use while eating, drinking or smoking.
Conditions for Safe Storage	Store in the closed original container, in a dry, cool, well ventilated area out of direct sunlight. Do not store with seed, feed or foodstuffs. Keep away from sparks, open flames or other sources of ignition. Keep container tightly closed as product is hygroscopic.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards	No exposure standard has been assigned by the National Occupational Health and Safety Commission (NOHSC) for the product or its ingredients.
Biological Limit Values	None allocated
Engineering Controls	Control process conditions to avoid contact. Use local exhaust ventilation during manufacture. Use in a well-ventilated area only.
Hygiene	After using and before eating, drinking and smoking, wash hands, arms and face thoroughly with soap and water.
Respiratory Protection	If working in enclosed areas, a respirator with either an organic or vapour-removing cartridge with a pre-filter approved for pesticides, or a canister approved for pesticides (AS/NZS 1715/1716)
Eye Protection	Safety goggles or face shield.
Hand and body Protection	Butyl rubber gloves and long sleeved shirt and long pants or overalls buttoned to the neck and wrist.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Pale yellow transparent liquid
Odour	Odourless
Melting Point	Not applicable
Boiling Point	202°C (N-methyl-2-pyrrolidone)
Solubility in Water	Soluble
pH Value	5-7
Vapour Pressure	38.7Pa @ 20°C
Vapour Density (Air=1)	Not available
Density	1.11g/mL
Flammable Limits - Lower	Not available
Flammable Limits - Upper	Not available

10. STABILITY AND REACTIVITY

Chemical Stability	Stable at normal temperatures and storage conditions.
Incompatible	Strong bases, strong acids, oxidizing and reducing agents, acid



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Materials chlorides, bleaching agents, chlorine, chromates, oxygen, percarbonates, perchlorates, permanganates, peroxides, phosphorus acids, trichloroacetic acid.

Hazardous Decomposition Products Decomposition will not occur. Polymerisation will not occur.

11. TOXICOLOGICAL INFORMATION

Inhalation Low inhalation toxicity. LC50 (4hr) rat >6540mg/m³
Ingestion Poisonous if swallowed. Acute LD50- Rat- 580mg/kg.
Skin Low dermal toxicity. May irritate the skin. Some components of the formulation may be absorbed through the skin. Acute dermal LD50- Rat- >2000mg/kg. Classified as Non-Irritating- Rabbit. Classified as Non-Sensitising- Guinea Pig (female).
Eye Will irritate the eyes. Classified as Moderately Irritating - Rabbit (female)
Chronic Effects In animal studies acetamiprid was not mutagenic or carcinogenic. It was not a neurotoxin or reproductive toxin and did not cause embryo or foetal toxicity.

12. ECOLOGICAL INFORMATION

Ecotoxicity Birds: Acetamiprid ranges from practically non-toxic to moderately toxic.
Fish and aquatic invertebrates: practically non-toxic.
Daphnia: moderately toxic.
Bees: low toxicity
Earthworms: low toxicity
Persistence / Degradability Slowly degraded on or in plants. DT50 in clay loam: 1 day, in light clay: 1-2 days. DT50 for total residues: 15-31 days. Acetamiprid is not expected to bioaccumulate.
Mobility No information available
Environ. Protection Do not contaminate streams, rivers or other waterways with the chemical or used container.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. Do not dispose of undiluted chemicals on site. Break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available bury the container below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

14. TRANSPORT INFORMATION

Transport Information The product is not a Dangerous Good by road or rail according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. It is not a marine pollutant.

15. REGULATORY INFORMATION

Regulatory Information APVMA registration number 58558
Poisons Schedule S6



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16. OTHER INFORMATION

Date of preparation or last revision of MSDS MSDS Created: June 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