



MATERIAL SAFETY DATA SHEET

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MSDS No. 3058

STATEMENT OF HAZARDOUS NATURE

Classified as hazardous according to the criteria of Worksafe Australia.

COMPANY DETAILS

Company Scotts Australia Pty. Ltd.
Address 11 Columbia Way, Baulkham Hills, NSW, 2153
Telephone Number (02) 8853 7300
Fax (02) 8853 7310
Emergency Telephone Number Australia: 1800 033 111
New Zealand: 0800 734 607

IDENTIFICATION

Product Name **Scotts Crown 225SL Systemic Insecticide**
Other Names NI-25, Supreme
Manufacturers Product Code 009070
UN Number **None allocated**
Dangerous Goods Class Not a dangerous good
Sub-Risk Class
Packaging Group
Hazchem Code
Poisons Schedule Schedule 6- Poison
Uses Insecticide for the control of pests of ornamental plants.

Physical Description /Properties

Appearance & Odour Pale yellow transparent liquid. Odourless.
Melting point/softening point Not applicable
Boiling Point 202°C [N-methyl-2-pyrrolidone]
Vapour Pressure 38.7Pa at 20°C
Flashpoint 89°C [tag closed cup]
Flammability Limits LEL 1.3% UEL 9.5% [N-methyl-2-pyrrolidone]
Solubility in Water Soluble
Ph 5-7
Incompatibility Strong bases, strong acids, oxidising and reducing agents, acid chlorides, bleaching agents, chlorine, chromates, oxygen percarbonates, perchlorates, permanganates, peroxides, phosphorus acids, trichloroacetic acid.
Density 1.11g/MI
Stability Stable under normal conditions of use. Acetamiprid degrades slowly at alkaline pH and elevated temperatures
Conditions to avoid Extreme heat, sparks, open flames and other sources of ignition, moisture.
Corrosiveness Not corrosive
Octanol/water partition coefficient K_{ow} .logP- 0.80 [25°C] acetamiprid
Hazardous decomposition products At high temperatures or on combustion- oxides of carbon, nitrogen and sulphur, hydrogen chloride and other toxic substances may be formed.

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Ingredients

Ingredient	Chemical Name	CAS Number	Proportion
Active ingredients	Acetamiprid	135410-20-7	225
Inerts	Dimethyl sulfoxide	67-68-5	514
	N-methyl-2-pyrrolidone	872-50-4	334
	Other ingredients- non-hazardous		37

HEALTH HAZARD INFORMATION

Health Effects

Acute

Swallowed Poisonous if swallowed. Acute LD50- Rat- 580mg/kg
Eye Will irritate the eyes. Classified as Moderately Irritating – Rabbit (female)
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).

Inhaled

Low inhalation toxicity. LC50 (4hr) rat >6540mg/m³

Chronic

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.

Medical conditions

None known

which may be

aggravated by contact

First Aid

Swallowed 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.

Eye Rinse eyes immediately with clean water, holding eyes open, for at least 15 minutes and see a doctor.

Skin Carefully remove contaminated clothing. Wash affected areas thoroughly with soap and water. Seek medical aid if at all worried.

Inhaled 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.

First Aid Facilities Eye wash, water, soap

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.

PRECAUTIONS FOR USE

Exposure Standards No exposure standard has been assigned by the National Occupational Health and Safety Commission (NOHSC) for the product or its ingredients.

Engineering Controls Control process conditions to avoid contact. Use local exhaust ventilation during manufacture. Use in a well-ventilated area only.

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Personal Protection After using and before eating, drinking and smoking, wash hands, arms and face thoroughly with soap and water. Applicators and handlers should wear long-sleeved shirt and long pants or overalls, buttoned to the neck, butyl rubber gloves and safety goggles or face shield. 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)

SAFE HANDLING INFORMATION

Storage and Transport Store in the closed original container, in a dry, cool, well ventilated area out of direct sunlight. Do not store with seed, feed, foodstuffs, insecticides, herbicides or fertilisers. Keep away from sparks, open flames or other sources of ignition. Keep container tightly closed as product is hygroscopic. 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.

Risk phases R22- Harmful if swallowed.
R36/38- irritating to eyes and skin.

Spills and Disposal 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.

Container Disposal 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.

Fire/explosion Hazard Extinguishing Media: Foam, dry chemical, carbon dioxide, water spray. Contain all runoff.

Degree of Hazard: the product is a class C1 Combustible liquid.

Special Fire Fighting Procedures: 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.

Hazardous Decomposition Products: on combustion toxic fumes such as oxides of carbon, nitrogen and sulphur, hydrogen chloride and other toxic substances may be emitted, may form explosive mixture with air.

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OTHER INFORMATION

Environmental Protection	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 Do not contaminate streams, rivers or waterways with the chemical or used containers.
Animal Toxicity Data	The following figures are for acetamiprid active not for the product. LD50 oral, rat 580mg/kg LD50 dermal, rat >2000mg/kg Inhalation LC50, rat- 4 hour >6.5mg/L Rainbow trout LC50 (96h) >10mg/L Bluegill sunfish LC50 (96h) >119.3 mg/L <i>Daphnia magna</i> EC50(48h) 49.8mg/L Algae <i>Scenedesmus subspcatus</i> EC50 (72h) >98.3mg/L Mallard Duck Acute oral LD50 98m/kg Mallard Duck Dietary LC50 >5000mg/kg Bobwhite quail Dietary LC50 >5000mg.kg Bee (contact) LD50 8.09µg/bee Earthworms LD50 (14 day) 9mg/kg
Bioaccumulation	Acetamiprid is not expected to bioaccumulate.
Degradation	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.
APVMA registration Number	58558

CONTACT POINT

Emergency Response for Transport and Exposure Australia: 1800 033 111 New Zealand: 0800 734 607	Scotts Australia Pty Ltd 11 Columbia Way Baulkham Hills NSW 2153 Phone (02) 8853 7300 Fax (02) 8853 7310
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