

MATERIAL SAFETY DATA SHEET- 27 January 2012

Superway Inside-Outside Cockroach Spider Flea and Ant Residual Insecticide

Section 1: Identification of the Product and Company

Product name:	Superway Inside-Outside Cockroach Spider Flea and Ant Residual Insecticide
Other names:	Alpha-cypermethrin 15 g/lit Suspension concentrate
Use:	Residual and knockdown insecticide for general pest control.
Company name & Contact details	Superway Garden Ag & Pest Products Pty Ltd Address: 13 Moroney Place, Beerwah Qld 4519 Tel: 07 54390355 Fax: 07 54390366 Web: www.superway.com.au
Other information:	All reasonable care has been taken to ensure the information and advice contained in this data sheet is accurate at the time of printing. However, Superway Garden Ag & Pest Products Pty Ltd accepts no liability for any loss or damages suffered as a consequence of reliance upon the information contained herein.

Section 2: Hazards Identification

Hazard classification:	This product is classified as Hazardous according to the criteria of NOHSC Australia. Classified as hazardous according to criteria of NOHSC Australia. Not classified as a Dangerous Good according to the ADG Code. See below for Risk and Safety Phrases.
Risk Phrases:	R36 Irritating to eyes R43 May cause sensitisation by skin contact.
Safety Phrases:	S2 Keep out of reach of children S7 Keep container tightly closed S13 When using, do not eat or drink. S25 Avoid Contact with the eyes.

Section 3: Composition / Information on Ingredients

Chemical entity	CAS N°	Proportion
Alpha-cypermethrin	67375-30-8	15g/L
Other non hazardous ingredients		< 20%
Water	7732-18-5	>78%

Section 4: First Aid Measures

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FIRST AID:

You should call the Poisons Information Centre if you feel you may have been poisoned, burned or irritated by this product. The number is 13 11 26 from anywhere in Australia and is available at all times. Have this MSDS with you when you call.

Swallowed: If poisoning occurs, contact a doctor or Poisons Information Centre, phone 13 11 26. Thoroughly rinse mouth with water.

Eye: If in eyes, hold eyes open and flush with water for at least 15 minutes. If irritation occurs and persists, obtain medical attention.

Skin: If on skin wash with plenty of soap and water. Remove contaminated clothing. If irritation occurs and persists see a doctor. May cause sensitisation by skin contact.

Inhaled: Remove patient to fresh air. If breathing discomfort occurs, obtain medical attention.

ADVICE TO DOCTOR -

Treat symptomatically – **Superway Inside-Outside Cockroach Spider Flea and Ant Residual Insecticide** has low acute oral and dermal toxicity; it is expected to be moderately toxic by inhalation and minimally irritating to the eyes and may irritate the skin. Do not administer milk, cream or other substances which contain vegetable or animal fats, as they enhance absorption of the active ingredient. Central nervous system stimulation can be controlled with sedation by eg. barbiturates. Reversible skin sensations (paraesthesia) may occur and ordinary skin salves have been found useful in reducing discomfort. Treatment is otherwise controlled removal of exposure followed by symptomatic and supportive care.

Section 5: Fire Fighting Measures

Fire/Explosion Hazard:

Specific Hazard: Product is not flammable.

Extinguishing media: Foam, CO2 or dry chemical. Soft stream water fog if no alternatives. Contain all runoff.

Hazards from combustion products: On burning will emit toxic fumes. In case of fire do not breathe fumes.

Precautions for fire-fighters and special protective equipment: Isolate fire area. Evacuate downwind. Wear full protective clothing and self-contained breathing apparatus. Do not breathe or contact smoke, gases or vapours generated.

Section 6: Accidental Release Measures

Emergency procedures: Isolate and post spill area. Keep out unprotected persons and animals. Wear prescribed protective clothing and equipment.

Spills: In the case of spillage, contain spilled material and avoid spreading dust. Dispose of waste according to the Australian Standard 2507 - Storage and Handling of Pesticides. Keep material out of streams and sewers. Vacuum, shovel or pump waste into an approved drum. Label for contents. Dispose of drummed wastes, including decontamination solution, in accordance with the requirements of Local or State Waste Management Authorities.

Material and methods for containment and cleanup procedures: 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.

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Section 7: Handling and Storage

Safe handling practices:	Exercise safe handling practices at all times
Storage:	Store in a cool, dry, well ventilated location. Avoid excess heat. No smoking eating or drinking should be allowed where material is used or stored. Keep out of the reach of children and animals. Store in original containers only. Do not locate near or contaminate food or feed by storage or disposal. Wash all exposed skin surfaces prior to smoking drinking or eating. All workers should shower at the end of each work day after handling this product. Wash all clothing after each use.
Other information:	Nil

Section 8: Exposure Controls and Personal Protection

Engineering controls:	No special ventilation requirements are normally necessary for this product. However make sure that the work environment remains clean and that dusts are minimised.
Personal protection:	<p>Work Clothing: For normal handling wear long sleeve uniform or overalls and head covering. For larger exposures, as in the case of spills, wear full body cover barrier suit, such as rubber rain suit.</p> <p>Eye protection: Protective glasses or goggles should be worn when this product is being used. Failure to protect your eyes may cause them harm. Emergency eye wash facilities are also recommended in an area close to where this product is being used.</p> <p>Skin protection: You should avoid contact even with mild skin irritants. Therefore you should wear suitable impervious elbow-length gloves and facial protection when handling this product.</p> <p>Respirator: Usually, no respirator is necessary when using this product. Eyebaths or eyewash stations should be provided near to where this product is being used.</p>

Section 9: Physical and Chemical Properties

Chemical:	Alpha-cypermethrin
Appearance:	Beige to white, slight odour.
Flashpoint:	>100 Deg C Not Flammable
Solubility In Water:	Insoluble. Active suspended in water
Specific Gravity:	1.01-1.02 g/cm ³ @ 20°C.
Corrosive Hazard:	Non corrosive; compatible with aluminum, HDPE, glass and phenolic lined steel containers.
Flammability:	Not flammable - Combustible
Poisons Schedule:	S5

Section 10: Chemical Stability and Reactivity Information

Chemical stability:	Stable at normal temperature and pressure
Conditions to avoid:	Excess heat, ignition sources

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Incompatibility: Strong oxidising agents.

Hazardous decomposition products: When the product is heated to high temperatures, thermal decomposition may generate toxic and noxious fumes.

Hazardous polymerisation: Will not occur.

Section 11: Toxicological Information

Potential Health Effects:

Effects from overexposure result from either swallowing, breathing or coming in contact with the eyes and skin. Symptoms of overexposure include tremors, loss of motor control and greater numbing, burning and tingling. These sensations are reversible and usually subside within 12 hours.

Acute toxicity Superway Inside-Outside Cockroach Spider Flea and Ant Residual Insecticide

LD50 Rat (oral): > 2000 mg/kg

LD50 Rat (dermal): >2,000 mg/kg

Acute toxicity Alpha cypermethrin 95% TC

LD50 (oral rats): 300 mg/kg b .w.

LD50 (dermal rat): 2000 mg/kg b. w.

LC50) (4 h) inhalation rat: 0.42 mg/l of air.

Section 12: Ecological Information

Alpha-Cypermethrin is practically non-toxic to birds. It is very highly toxic to fish and aquatic invertebrates. It is highly toxic to bees

Section 13: Disposal Considerations

Drum Disposal: 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 clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm 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. Do not re-use empty containers.

Section 14: Transport Information

Road or Rail Transportation

This product is not classified as a Dangerous Goods under the Australian Code for the Transport of Dangerous Goods by Road and Rail.

Marine and Air Transportation

Superway Inside-Outside Cockroach Spider Flea and Ant Residual Insecticide 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 1.5% Alpha-cypermethrin).

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Section 15: Regulatory Information

Poison Schedule S5

Agricultural or veterinary chemicals legislation This product is registered for use by the APVMA.
AUSTRALIA APVMA Registration No. 66863

Section 16: Other Information

Superway Garden Ag & Pest Products Pty Ltd

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MSDS last update: 27th January 2012

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END OF MSDS