



Safety Data Sheet

MSDS No.	EUR1073	Issue Date:	September 2013	Page:	1 of 4
Product Name:	DEFENDER CONCENTRATE MAXGUARD SYSTEMIC, CONTACT & RESIDUAL INSECTICIDE			Version:	1.0

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER		
Product name	DEFENDER CONCENTRATE MAXGUARD SYSTEMIC, CONTACT & RESIDUAL INSECTICIDE	
Other name/s	-	
Product code/s	-	
Recommended use	Garden insecticide	
Manufacturer	SCOTTS AUSTRALIA PTY LTD	
Address	Australia: Building E, Level 2 32 Lexington Drive Bella Vista NSW 2153	New Zealand: Level 4 152 Fanshawe St Auckland 1140
Telephone	(02) 8602 9000	
Emergency telephone	1800 033 111 (24 hour)	0800 734 607 (24 hour)
2. HAZARDS IDENTIFICATION		
Hazard classification	Australia: Not classified as hazardous according to the Safe Work GHS criteria. New Zealand: Classified as hazard according to the criteria in the Hazardous Substance (Minimum Degrees of Hazard) Regulations 2001 Not classified as dangerous goods according to NZS 5433/UN/IMDG/IATA. Classification: 9.1C- Substances that are harmful in the aquatic environment. Hazard and precautionary statements: Harmful to aquatic life with long-lasting effects. Read label before use. Avoid release to the environment.	
3. COMPOSITION/INFORMATION ON INGREDIENTS		
Name	CAS	Concentration
Acetamiprid	135410-20-7	1-5%
Aqueous dipropylene glycol solution of approx. 20% 1,2-benzisothiazolin-3-one	-	<1%
Other ingredients determined not to be hazardous	-	Balance
4. FIRST AID MEASURES		
Inhalation	Move to fresh air.	
Ingestion	If swallowed, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26. Phone New Zealand 0800 764 766.	
Skin	Wash off immediately with soap and plenty of water.	
Eye	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, seek medical attention.	
First aid facilities	Soap, water, wash facilities.	
5. FIRE FIGHTING MEASURES		
Suitable extinguishing media	Foam, carbon dioxide (CO ₂), powder, water spray.	
Specific hazards arising from the chemical	Unsuitable extinguishing media: high volume water jet. Does not flash. Danger of toxic gases in smoke in case of fire.	
Special protective precautions and	In the event of fire, wear self-contained breathing apparatus. The product is not flammable.	



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equipment for fire fighters

Specific methods Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures Avoid contact with skin. Keep people away from and leeward of leakage/spill. Wear personal protective equipment.

NZ trigger levels for Emergency Management: 1.0L

Environmental precautions Do not flush into surface water or sanitary sewer system. Prevent product from entering drains. Local authorities should be advised if significant spillage cannot be contained.

Methods and materials for containment and cleanup Soak up with absorbent inert material. Take up mechanically and collect in suitable container for disposal. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling Handle in accordance with good industrial hygiene and safety practice. Do not breath vapours or spray mist. When using do not eat, drink or smoke. Wash hands and exposed skin after use/handling.

Conditions for safe storage Store in original container. Keep in a dry, cool place keep out of reach of children. Keep away from food, drink and animal feeding stuffs. Keep away from frost.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National exposure standards No exposure standards are set for Australia or New Zealand.

Biological limit values No biological limit values set.

Engineering controls Ensure adequate ventilation. Personal protective equipment is not normally required- gloves can be worn for personal hygiene. In case of accidental spillage of bulk product, wear personal protective equipment appropriate to the task.

Respiratory protection Not required for normal use.

Skin protection Wear suitable gloves and lightweight protective clothing.

Eye protection Safety glasses with eye shields.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Clear, colourless liquid.

Odour Slight

pH 6.7

Melting point/freezing point Not available

Boiling point Not available

Flashpoint Not available

Evaporation rate Not available

Flammability Not available

Upper/lower flammability limits Not available

Vapour pressure Not available

Solubility Soluble in water

Bulk density/specific gravity 1.01

10. STABILITY AND REACTIVITY

Reactivity No dangerous reactions known.

Chemical stability Stable under recommended storage conditions.



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Conditions to avoid	No information available.
Incompatible materials and possible hazardous reactions	No information available.
Hazardous decomposition products	No decomposition if stored normally.

11. TOXICOLOGICAL INFORMATION

General	LD50/oral/rat: >2000mg/kg LD50/dermal/rat: >2000mg/kg
Inhalation	No information available.
Ingestion	No information available.
Skin	No skin irritation.
Eye	No eye irritation.
Chronic effects	No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity	Aquatic toxicity LC50/96hr/rainbow trout: >100mg/L LC50/48hr/daphnia: >100mg/L EC50/72hr/algae: >100mg/L
Persistence and degradability	No information available.
Bioaccumulative potential	No information available.
Mobility in soil	No information available.
Environmental protection	Do not allow product, wash-water or packaging to enter drains, streams, or other waterways.

13. DISPOSAL CONSIDERATIONS

Safe handling and disposal methods	Do not contaminate drains or other waterways with the chemical or used container. Do not empty into drains.
Disposal of contaminated packaging	Do not reuse container for any purpose and dispose of by wrapping in paper, placing in a paper bag and putting in the garbage.
Environmental regulations	Dispose of in accordance with local and national regulations.

14. TRANSPORT INFORMATION

Transport information	ADG Code: Not classified as dangerous goods. NZS5433:2007: Not classified as dangerous goods. IMDG Code: Not classified as dangerous goods. IATA Regulations: Not classified as dangerous goods.
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15. REGULATORY INFORMATION

Safety, health and environmental regulations	Australia: APVMA number: 65588 New Zealand: HSNO approval code: HSR100663.
Poisons schedule number	Not a scheduled poison.

16. OTHER INFORMATION



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Date of preparation or last revision of SDS	SDS Created: September 2013
Key abbreviations and acronyms used	ADG Code: Australian Code for the Transport of Dangerous Goods by Road & Rail GHS: Globally Harmonized System of Classification and Labelling HSNO: New Zealand Hazardous Substances and New Organisms legislation. IATA: International Air Transport Association IMDG: International Maritime Dangerous Goods Code NZS5433: New Zealand Standard- Transport of Dangerous Goods on Land. UN: United Nations