

Infosafe No™ 3NUQ8	Issue Date : December 2017	ISSUED by NUFARM
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 Product Name **SENATOR 700WG Insecticide**

Classified as hazardous

1. Identification

GHS Product Identifier	SENATOR 700WG Insecticide
Product Code	1149
Product Type	Group 4A Insecticide
Company Name	NUFARM AUSTRALIA LIMITED. (ABN 80 004 377 780)
Address	103-105 Pipe Road Laverton North Victoria 3026 Australia
Telephone/Fax Number	Tel: +61 3 9282-1000 Fax: +61 3 9282-1001
Emergency phone number	1800 033 498 (24hr Australia)
Recommended use of the chemical and restrictions on use	For the control of various insect pests of cotton, fruit, vegetables, ornamentals and turf as a foliar spray, as a soil drench in bananas, as a seedling drench in brassicas and lettuce, and as a soil applied treatment for the control of various canegrubs in sugarcane, silverleaf whitefly in vegetable crops and certain pests in apples, citrus and ornamentals as specified in the Directions for Use table on the label.
Other Information	This Safety Data Sheet describes the properties of the concentrated product. The physical properties and the assessments may not apply to the properties of the product once it has been diluted for application.

2. Hazard Identification

GHS classification of the substance/mixture	OT4 Acute Toxicity - Oral: Category 4
Signal Word (s)	WARNING
Hazard Statement (s)	H302 Harmful if swallowed.
General Precautionary Statement (s)	P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P103 Read label before use.
Pictogram (s)	Exclamation mark, The below pictogram is a GHS Hazard symbol for workplace use only. See SECTION 14 for Dangerous Goods information.
	
Precautionary statement – Prevention	P264 Wash hands and exposed skin thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P280 Wear protective gloves, clothing, eye and face protection.
Precautionary statement – Response	P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. P330 Rinse mouth.
Other Information	Poisons Schedule S6

3. Composition/information on ingredients

Chemical Characterization	Solid		
Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Imidacloprid	138261-41-3	700 g/kg
	Other Ingredients		Balance

4. First-aid measures

Inhalation	Remove affected person to fresh air until recovered. If symptoms develop or
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Ingestion persist, seek medical advice.
Rinse mouth and then drink plenty of water.
Do not give anything by mouth to a semi-conscious or unconscious person.
Seek medical advice immediately.

Skin Remove contaminated clothing and launder before re-use.
Wash affected areas thoroughly with soap and water.

Eye contact If in eyes, hold eyelids open and wash with copious amounts of water for at least 15 minutes.
Seek medical advice.

Advice to Doctor Treat symptomatically.
Has a nicotine like effect.
Check blood pressure and pulse rate frequently, as bradycardia and hypotonia are possible. Provide supportive measures for respiratory function and cardiac action. Give artificial respiration if signs of paralysis appear. Additional therapeutic measures involve elimination of the substance from the body or acceleration of its excretion (gastric lavage, saline laxatives, activated charcoal).
Contra-indications:
Avoid absorption promoting agents such as alcoholic beverages and milk.

5. Fire-fighting measures

Suitable extinguishing media Water fog, foam, carbon dioxide or dry chemical.
Avoid strong water jets - airborne dusts may form a flammable dust cloud.

Hazards from Combustion May emit toxic fumes of hydrogen chloride, hydrogen cyanide, carbon monoxide and nitrogen oxides if involved in fires or exposed to extreme heat.

Products

Special Protective Equipment for fire fighters Breathable air apparatus should be worn when fighting a fire in which this product is involved.

Specific hazards arising from the chemical This product contains a high proportion of an organic solid. Large accumulations of dust and fines associated with industrial processing of bulk material may be a dust explosion hazard.

Other Information STOP FIRE WATER FROM ENTERING DRAINS OR WATER BODIES.

6. Accidental release measures

Spills & Disposal Eliminate all ignition sources. Use non-sparking utensils. Sweep up product without generating dust.
Collect spilled material and waste in sealable open-top type containers for disposal.

Personal Protection For appropriate personal protective equipment (PPE), refer Section 8.

7. Handling and storage

Precautions for Safe Handling Avoid generating dusts while handling the product and mixing.
Seed treated with this product must not be used for animal or human consumption or be allowed to contaminate seed intended for animal or human consumption.

Conditions for safe storage, including any incompatibilities Store in the closed, original container in a cool, well ventilated area.

Other Information Always read the label and any attached leaflet before use.

8. Exposure controls/personal protection

Occupational exposure limit values Safe Work Australia has set the following exposure standard for talc (containing no inspirable dust) : TLV (TWA) 2.5 mg/m³, STEL -.

Appropriate engineering controls Avoid generation of dust when handling solid. If dust generation is unavoidable, use forced draft to keep dust away from operator, or wear suitable dust respirator.

Personal Protective Equipment If applying by hand, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), elbow length chemical resistant gloves and a half facepiece respirator. Re-entry period: Do not enter treated area until spray has dried.

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Hygiene Measures	After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.
Requirements Concerning Special Training	After each day's use, wash contaminated clothing and safety equipment. Check State or Territory regulations that require people who use pesticides in their job or business to have training in the application of the materials.

9. Physical and chemical properties

Form	Solid
Appearance	Off white coloured granule.
Solubility in Water	Disperses in water.
pH	7 (1% solution)
Vapour Pressure	9×10^{-7} mPa @ 25°C (imidacloprid)
Partition Coefficient: n-octanol/water	Kow Log P is 0.57 @ 21°C (imidacloprid)
Flammability	Combustible

10. Stability and reactivity

Chemical Stability	Stable under normal conditions.
Possibility of hazardous reactions	Keep away from strong oxidising agents.
Hazardous Polymerization	Hazardous polymerisation is not possible.

11. Toxicological Information

Acute Toxicity - Oral	LD50 (rat) 450 mg/kg for imidacloprid
Acute Toxicity - Dermal	LD50 (rat) >5000 mg/kg for imidacloprid
Acute Toxicity - Inhalation	LC50 (rat) (4hr) >5 mg/l for imidacloprid
Ingestion	Swallowing large quantities may cause vomiting, diarrhoea, abdominal pain, lethargy, depressed muscular tone, muscular cramps, respiratory disturbances and trembling.
Inhalation	Inhalation of dusts or aerosols may result in effects described under ingestion.
Skin	May irritate the skin.
Eye	May irritate the eyes.
Chronic Effects	Based on available data, repeated exposures are not anticipated to cause additional significant adverse effects.
Serious eye damage/irritation	Mild eye irritant.
Skin corrosion/irritation	Mild skin irritant.
Other Information	The Australian Acceptable Daily Intake (ADI) for imidacloprid for a human is 0.06 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 6 mg/kg/day, the level determined to show no effects during long term exposure for the most sensitive indicators and the most sensitive species. (Ref: Aust Govt Dept. of Health, Office of Chemical Safety, 'ADI List', December 2015).

12. Ecological information

Acute Toxicity - Fish	The following is data for the active ingredient, imidacloprid. LC50 (96hr) for rainbow trout is 211 mg/l.
Acute Toxicity - Daphnia	LC50 (48hr) for daphnia magna is 85 mg/l.

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Acute Toxicity - Algae	EC50 (48hr) for Psuedokirchneriella subcapita >100 mg/l.
Acute Toxicity - Other Organisms	LD50 for japanese quail is 31 mg/kg LD50 for bobwhite quail is 152 mg/kg Harmful to bees by direct contact, but no problems expected when product is used as intended.

13. Disposal considerations

Product Disposal	On site disposal of the concentrated product is not acceptable.
Container Disposal	Do not use this container for any other purpose. For disposal of HDPE containers:- Triple or preferably pressure rinse containers before disposal. Add rinsings to the spray tank. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and deliver empty packaging for appropriate disposal at an approved waste management facility. For disposal of bag in box containers:- Single rinse before disposal. Puncture or shred and deliver empty packaging for appropriate disposal at an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant local, state or territory government regulations. DO NOT burn empty containers or product.

14. Transport information

Storage and Transport	Considered non dangerous for road and rail transport (in packaging) by the Australian Code for the Transport of Dangerous Goods by Road and Rail. Ref: ADG7; SP No. AU01. For bulk shipments as Class 9, use UN 3077, HazChem code 2Z.
UN Number (Sea Transport)	3077
IMO Class/Packing Group	Class 9; Packing Group III
IMO Marine Pollutant	Marine Pollutant
IMO Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains Imidacloprid)

15. Regulatory information

Regulatory Information	Australia: WHS regulations (2011) - Schedule 11: classification not listed.
Poisons Schedule	S6
Packaging & Labelling	POISON KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
Other Information	This product is registered with the Australian Pesticides and Veterinary Medicines Authority (APVMA). APVMA product number: 68192.

16. Other Information

Date of preparation or last revision of SDS	Revised 05/12/2017 This SDS replaces Crop Care document dated May 2016.
Contact Person/Point	Normal Hours: Mrs Kathleen Marsh Phone: +61 3 9282 1000 After Hours: Shift Supervisor Phone: 1800 033 498
Revisions Highlighted	The SDS was reviewed. Minor changes were made to the information and product has been rebranded. ...End Of MSDS...



Safety Data Sheet

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