

Infosafe No™ 3NUZO	Issue Date : June 2017	ISSUED by NUFARM
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 Product Name **Legion Insecticidal Seed Treatment**

Classified as hazardous

1. Identification

GHS Product Identifier	Legion Insecticidal Seed Treatment
Product Code	0513
Product Type	Group 2B 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 redlegged earth mite in canola and false wireworm in sorghum and sunflowers, and to protect sorghum and sunflower seedlings from attack by black field earwig 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	OT3 Acute Toxicity - Oral: Category 3 IT3 Acute Toxicity - Inhalation: Category 3 RE1 STOT Repeated Exposure Category 1
Signal Word (s)	DANGER
Hazard Statement (s)	H301 Toxic if swallowed. H331 Toxic if inhaled. H372 Causes damage to organs through prolonged or repeated exposure.
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)	Skull and crossbones, Health hazard, The below pictograms are GHS Hazard symbols 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. P271 Use only outdoors or in a well-ventilated area. P260 Do not breathe spray.
Precautionary statement – Response	P314 Get medical advice/attention if you feel unwell. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P330 Rinse mouth. P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P311 Call a POISON CENTER or doctor/physician.
Other Information	Poisons Schedule S6

3. Composition/information on ingredients

Chemical Characterization	Liquid		
Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Fipronil	120068-37-3	500 g/L

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Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Other ingredients (considered non-hazardous)		Balance

4. First-aid measures

Inhalation	Remove affected person to fresh air until recovered. If symptoms develop or persist, seek medical advice.
Ingestion	If swallowed do NOT induce vomiting; seek medical advice immediately and show this container or label or contact the Poisons Information Centre on 13 11 26 (Aust). Make every effort to prevent vomit from entering the lungs by careful placement of the patient.
Skin	If skin contact occurs, remove contaminated clothing and wash skin thoroughly with water.
Eye contact	If in eyes, hold eyelids open and wash with copious amounts of water for at least 15 minutes. Seek medical advice immediately.
Advice to Doctor	Fipronil is a reversible gamma-aminobutyric (GABA) receptor inhibitor. During intoxication it will induce neurological stimulation with possible convulsions. Treat symptoms. No specific antidote known. Phenobarbital, and to a lesser extent, benzodiazepines, have been shown experimentally to be effective in preventing convulsions induced by fipronil. Due to slow absorption of fipronil through the gut, symptoms of intoxication may be delayed several hours to one day. Absorption may be decreased by the use of gastric lavage, saline purgative and activated charcoal (possible enterohepatic recirculation). Continue monitoring - due to slow elimination of the compound.

5. Fire-fighting measures

Suitable extinguishing media	If involved in a fire, the product will not burn. Choose extinguishing media to suit the burning material.
Hazards from Combustion	If involved in a fire, the dehydrated components may emit oxides of carbon, nitrogen and sulphur and compounds of chlorine and fluorine.
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	Considered low risk due to water content, however upon evaporation of water the product is combustible.
Hazchem Code	2X
Other Information	STOP FIRE WATER FROM ENTERING DRAINS OR WATER BODIES.

6. Accidental release measures

Spills & Disposal	Contain spill and absorb with clay, sand, soil or proprietary absorbent (such as vermiculite). Collect spilled material and waste in sealable open-top type containers for disposal.
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7. Handling and storage

Precautions for Safe Handling	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. Do NOT contaminate dams, rivers or streams, or any other water bodies with chemical or used containers.
Conditions for safe storage, including any incompatibilities	Store in the closed, original container in a cool, well ventilated area. Do not store for prolonged periods in direct sunlight.
Other Information	Always read the label and any attached leaflet before use.

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8. Exposure controls/personal protection

Occupational exposure limit values	No exposure standards have been set for this product or the active ingredients.
Appropriate engineering controls	Use in a well ventilated area only.
Respiratory Protection	Do not inhale spray mist.
Personal Protective Equipment	When opening the container, preparing and using the product wear cotton overalls buttoned to the neck and wrist (or equivalent clothing), a washable hat, elbow-length PVC gloves, goggles and a disposable mist mask covering mouth and nose.
Hygiene Measures	After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash contaminated clothing and safety equipment.
Requirements Concerning Special Training	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	Liquid
Appearance	Viscous suspension
Solubility in Water	Disperses in water.
Specific Gravity	1.22
pH	7 - 9 undiluted
Vapour Pressure	3.7 x 10 ⁻⁴ mPa @ 25°C
Flammability	Not flammable

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) 268 mg/kg for a similar product
Acute Toxicity - Dermal	LD50 (rabbit) >2,000 mg/kg for a similar product
Acute Toxicity - Inhalation	LC50 (rat) (4hr) 0.2 mg/l for a similar product (aerosol)
Ingestion	Possible symptoms of exposure include: headache, nausea, dizziness and weakness. Ingestion of large quantities of the concentrate may result in convulsions.
Inhalation	Breathing in high concentrations of vapours or aerosols of this material may cause headache, nausea, dizziness and weakness. Prolonged inhalation of aerosol may lead to convulsions.
Skin	Not a skin irritant and not harmful by dermal exposure.
Eye	May cause some discomfort if contact is prolonged.
Skin Sensitisation	Product is not a skin sensitiser.
Carcinogenicity	Data indicates no carcinogenic effects.
Reproductive Toxicity	Data indicates no reproductive effects.

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Serious eye damage/irritation	Mild eye irritant.
Mutagenicity	Data indicates no mutagenic effects.
Skin corrosion/irritation	Mild skin irritant.
Other Information	The Australian Acceptable Daily Intake (ADI) for fipronil for a human is 0.0002 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 0.02 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: Comm. Dept. of Health and Ageing, Office of Chemical Safety, 'ADI List', March 2016).

12. Ecological information

Known Harmful Effects on the Environment	The product is a marine pollutant for sea transport.
Other Precautions	Do not contaminate dams, waterways or sewers with this product or the containers which have held this product. Do not spray on vegetation where honeybees are foraging. Do not feed treated seed, or otherwise expose, to wildlife and domestic animals, particularly birds.
Acute Toxicity - Fish	The following is data for the active ingredient, fipronil. LC50 (96hr) for bluegill sunfish is 0.085 mg/l. LC50 (96hr) for rainbow trout is 0.248 mg/l. LC50 (96hr) for european carp is 0.430 mg/l.
Acute Toxicity - Daphnia	LC50 (48hr) for daphnia is 0.19 mg/l for fipronil.
Acute Toxicity - Other Organisms	The following data is for the active ingredient, fipronil. LD50 for mallard duck is 5000 mg/kg LD50 for bobwhite quail is 48 mg/kg Highly toxic to bees both by direct contact or by ingestion.

13. Disposal considerations

Product Disposal	On site disposal of the concentrated product is not acceptable. Ideally, the product should be used for its intended purpose. If there is a need to dispose of the product, approach local authorities who hold periodic collections of unwanted chemicals (ChemClear®).
Container Disposal	Do not use this container for any other purpose. Rinse containers before disposal. Add rinsings to the mixing tank. Do not dispose of undiluted chemicals on-site. Dispose of 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. Empty containers and product should not be burnt.

14. Transport information

U.N. Number	2902
UN proper shipping name	PESTICIDE, LIQUID, TOXIC, N.O.S. - (contains Fipronil)
Transport hazard class(es)	6.1
Hazchem Code	2X
Packaging Method	3.8.6.1
Packing Group	III
Storage and Transport EPG Number	Considered dangerous for transport by the Australian Code for the Transport of Dangerous Goods by Road and Rail. 6B1



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IERG Number 34
UN Number (Sea Transport) 2902
IMO Class/Packing Group Class 6.1; Packing Group III
IMO Marine Pollutant Marine Pollutant
IMO Proper Shipping Name PESTICIDE, LIQUID, TOXIC, N.O.S (contains Fipronil)

15. Regulatory information

Regulatory Information WHS Schedule 11, item item 35 (acute toxicity, category 3)
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: 70278.

16. Other Information

Date of preparation or last revision of SDS 29/06/2017
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...

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