

Infosafe No™ 3NUY6	Issue Date : June 2017	ISSUED by NUFARM
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 Product Name **AMULET® Cue-Lure Fruit Fly Stations**

Not classified as hazardous

## 1. Identification

<b>GHS Product Identifier</b>	AMULET® Cue-Lure Fruit Fly Stations
<b>Product Code</b>	1231
<b>Product Type</b>	Group 2C Insecticide
<b>Company Name</b>	NUFARM AUSTRALIA LIMITED. (ABN 80 004 377 780)
<b>Address</b>	103-105 Pipe Road Laverton North Victoria 3026 Australia
<b>Telephone/Fax Number</b>	Tel: +61 3 9282-1000 Fax: +61 3 9282-1001
<b>Emergency phone number</b>	1800 033 498 (24hr Australia)
<b>Recommended use of the chemical and restrictions on use</b>	For population reduction and population monitoring of male fruit flies responding to Cue-Lure as specified in the Directions for Use table on the label.

## 2. Hazard Identification

<b>GHS classification of the substance/mixture</b>	AC1 Hazardous to the Aquatic Environment - Long-Term Hazard: Category 1
<b>Signal Word (s)</b>	WARNING
<b>Hazard Statement (s)</b>	H410 Very toxic to aquatic life with long lasting effects.
<b>General Precautionary Statement (s)</b>	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.
<b>Pictogram (s)</b>	Environment, The below pictogram is a GHS Hazard symbol for workplace use only. See SECTION 14 for Dangerous Goods information.



<b>Other Information</b>	Poisons Schedule S5 Not classified as hazardous under the GHS criteria.
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## 3. Composition/information on ingredients

<b>Chemical Characterization</b>	Solid		
<b>Ingredients</b>	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Fipronil	120068-37-3	3.4 g/kg
	4-(p-Acetoxyphenyl)-2-Butanone	3572-06-3	94 g/kg
	Other ingredients (considered non-hazardous)		Balance

## 4. First-aid measures

<b>Inhalation</b>	Exposure to fipronil is unlikely due to the physical form of the product. If symptoms develop or persist, seek medical advice.
<b>Ingestion</b>	Exposure to fipronil is unlikely due to the physical form of the product. 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. The fipronil component in the product is at very low concentration, thus

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<b>Skin</b>	acute health effects are unlikely to occur other than by massive exposure. Exposure to fipronil is unlikely due to the physical form of the product.
<b>Eye contact</b>	Wash affected areas thoroughly with soap and water. If in eyes, hold eyelids open and wash with copious amounts of water for at least 15 minutes.
<b>First Aid Facilities</b>	If poisoning occurs, contact a doctor or the Poisons Information Centre (Australia) on 13 11 26.
<b>Advice to Doctor</b>	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

<b>Suitable extinguishing media</b>	Water fog, foam, carbon dioxide or dry chemical.
<b>Hazards from Combustion</b>	If involved in a fire, it will emit oxides of carbon, nitrogen and sulphur and possibly compounds of chlorine and fluorine.
<b>Special Protective Equipment for fire fighters</b>	Breathable air apparatus may have to be worn if material is involved in fires especially in confined spaces.
<b>Other Information</b>	STOP FIRE WATER FROM ENTERING DRAINS OR WATER BODIES.

## 6. Accidental release measures

<b>Spills &amp; Disposal</b>	Do not touch bait stations unless wearing rubber gloves. See section 13 for product disposal information.
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## 7. Handling and storage

<b>Conditions for safe storage, including any incompatibilities</b>	Store in the closed, original container in a cool, well ventilated area. Do not store for prolonged periods in direct sunlight.
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## 8. Exposure controls/personal protection

<b>Appropriate engineering controls</b>	Use in a well ventilated area only.
<b>Personal Protective Equipment</b>	It is good practice to wear suitable personal protective equipment (PPE). Wear chemical resistant gloves when handling the bait.
<b>Hygiene Measures</b>	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.
<b>Requirements Concerning Special Training</b>	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

<b>Form</b>	Solid
<b>Appearance</b>	Alfoil packet containing a paper mache pad.
<b>Odour</b>	Slight raspberry odour when opened.
<b>Solubility in Water</b>	1.9 mg/l for fipronil
<b>Vapour Pressure</b>	3.7 x 10 <sup>-4</sup> mPa @ 25°C for fipronil
<b>Partition Coefficient: n-octanol/water</b>	Kow Log P is 4.0 for fipronil

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## 10. Stability and reactivity

**Chemical Stability** Stable under normal conditions.

**Hazardous Polymerization** Hazardous polymerisation is not possible.

## 11. Toxicological Information

**Acute Toxicity - Oral** LD50 (rat) 97 mg/kg for fipronil  
 LD50 (rat) 3000 mg/kg for 4-(p-Acetoxyphenyl)-2-Butanone

**Acute Toxicity - Dermal** LD50 (rat) >2000 mg/kg for fipronil

**Ingestion** Not a likely route of exposure.  
 Possible symptoms of exposure include: headache, nausea, dizziness and weakness.

**Inhalation** Inhalation of vapours of this very dilute material is unlikely to result in any toxic effects attributable to fipronil.

**Skin** Not a skin irritant.

**Eye** May irritate the eyes.

**Skin Sensitisation** Product is not a skin sensitiser.

**Carcinogenicity** Data indicates no carcinogenic effects.

**Reproductive Toxicity** Data indicates no reproductive effects.

**Serious eye damage/irritation** Mild eye irritant.

**Mutagenicity** Data indicates no mutagenic effects.

**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** Fipronil is toxic to fish and aquatic organisms.

**Other Precautions** Do not contaminate dams, waterways or sewers with this product or the containers which have held this product.

**Acute Toxicity - Fish** The following is data for the active ingredient, fipronil.  
 LC50 (96hr) for rainbow trout is 0.248 mg/l.  
 LC50 (96hr) for rainbow trout is 21 mg/l for 4-(p-Acetoxyphenyl)-2-Butanone  
 LC50 (48hr) for daphnia is 0.19 mg/l for fipronil.

**Acute Toxicity - Daphnia**

**Acute Toxicity - Algae** EC50 (72hr) for algae 0.068 mg/l.

**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 49 mg/kg  
 Highly toxic to bees both by direct contact or by ingestion.

## 13. Disposal considerations

**Product Disposal** Amulet Cue-Lure Fruit Fly Stations will gradually disintegrate over time.

**Container Disposal** To dispose of unwanted product or bags, bury below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways and tree roots. Empty containers and product should not be burnt.

## 14. Transport information

Infosafe No™ 3NUY6	Issue Date : June 2017	ISSUED by NUFARM
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<b>Storage and Transport</b>	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.
<b>UN Number (Sea Transport)</b>	3077
<b>IMO Class/Packing Group</b>	Class 9
<b>IMO Marine Pollutant</b>	Marine Pollutant
<b>IMO Proper Shipping Name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains fipronil)

## 15. Regulatory information

<b>Regulatory Information</b>	Australia: WHS regulations (2011) - Schedule 11: classification not listed.
<b>Poisons Schedule</b>	S5
<b>Packaging &amp; Labelling</b>	CAUTION KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING
<b>Other Information</b>	This product is registered with the Australian Pesticides and Veterinary Medicines Authority (APVMA). APVMA product number: 60664.

## 16. Other Information

<b>Date of preparation or last revision of SDS</b>	27/06/2017
<b>Contact Person/Point</b>	Normal Hours: Mrs Kathleen Marsh Phone: +61 3 9282 1000 After Hours: Shift Supervisor Phone: 1800 033 498
<b>Revisions Highlighted</b>	The SDS was reviewed. Minor changes were made to the information and product has been rebranded.
<b>Other Information</b>	® Registered trademark of BASF  ...End Of MSDS...

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