# SAFETY DATA SHEET

**According to Safe Work Australia**

Printing date 25.11.2016 Revision: 25.11.2016

## 1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

**Product Name: BATTLEAXE PRO ROACH BAIT**

**Recommended Use of the Chemical and Restriction on Use:** Cockroach gel bait

**Details of Manufacturer or Importer:**
Sundew Solutions Pty Ltd
Unit 11, 4 Dunlop Court
Bayswater VIC 3153

**Phone Number:** 1800 786 339

**Emergency telephone number:** 1800 786 339

## 2 . HAZARDS IDENTIFICATION

**Hazardous Nature:**
Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.
Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Aquatic Acute 3 H402 Harmful to aquatic life.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

**Signal Word** Void

**Hazard Statements**
H412 Harmful to aquatic life with long lasting effects.

**Precautionary Statements**
P273 Avoid release to the environment.
P501 Dispose of contents/container in accordance with local/regional/national regulations.

## 3 . COMPOSITION AND INFORMATION ON INGREDIENTS

**Chemical Characterization: Mixtures**
**Description:** Mixture of substances listed below with nonhazardous additions.

| **Hazardous Components:** | | |
|---|---|---|
| 120068-37-3 | Fipronil (ISO)<br>Acute Toxicity (Oral) 3, H301; Acute Toxicity (Dermal) 3, H311; Acute Toxicity (Inhalation) 3, H331; STOT RE 1, H372; Aquatic Acute 1, H400; Aquatic Chronic 1, H410 | 0.05% |

## 4 . FIRST AID MEASURES

**Inhalation:**
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

**Skin Contact:**
In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

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**Eye Contact:**
In case of eye contact, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention.

**Ingestion:**
If swallowed, do not induce vomiting. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

## 5 . FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:** Water spray, foam and dry chemical powder.

**Specific Hazards Arising from the Chemical:**
Hazardous combustion products include oxides of carbon and other toxic fumes.

**Special Protective Equipment and Precautions for Fire Fighters:**
When fighting a major fire wear self-contained breathing apparatus and protective equipment.

## 6 . ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment and Emergency Procedures:**
Wear an approved dust/particulate filter respirator and full protective clothing. Evacuate all non-essential personnel from affected area. Ensure adequate ventilation.

**Environmental Precautions:** In the event of a major spill, prevent spillage from entering drains or water courses.

**Methods and Materials for Containment and Cleaning Up:**
Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal.

## 7 . HANDLING AND STORAGE

**Precautions for Safe Handling:**
Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours/mists.
Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

**Conditions for Safe Storage:**
Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Protect from direct sunlight and extreme temperatures. Keep away from heavy metal salts. Shelf life - 2 years.

## 8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Exposure Standards:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**Engineering Controls:** Ensure adequate ventilation of the working area.

**Respiratory Protection:**

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Use an approved vapour respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

**Skin Protection:**
PVC, PVA, nitrile, neoprene, rubber or vinyl gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information.
When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.
Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

**Eye and Face Protection:**
Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337 for more information.

## 9 . PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---|---|
| **Appearance:** | |
| **Form:** | Gel |
| **Colour:** | Yellow to brown-yellow |
| **Odour:** | Odourless |
| **Odour Threshold:** | Not determined. |
| **pH-Value:** | 5-7 |
| **Melting point/Melting range:** | No information available |
| **Initial Boiling Point/Boiling Range:** | No information available |
| **Flash Point:** | Not applicable |
| **Flammability:** | Product is not flammable. |
| **Auto-ignition Temperature:** | |
| **Decomposition Temperature:** | Not determined. |
| **Explosion Limits:** | |
| **Lower:** | Not applicable |
| **Upper:** | Not applicable |
| **Vapour Pressure:** | Not applicable. |
| **Density:** | Not determined. |
| **Relative Density:** | Not determined. |
| **Vapour Density:** | Not applicable. |
| **Evaporation Rate:** | Not applicable |
| **Solubility in Water:** | No information available |
| **Partition Coefficient (n-octanol/water):** | Not determined. |

## 10 . STABILITY AND REACTIVITY

**Possibility of Hazardous Reactions:** Hazardous polymerisation will not occur.

**Chemical Stability:** Stable at ambient temperature and under normal conditions of use.

**Conditions to Avoid:** Direct sunlight and extreme temperatures.

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**Incompatible Materials:** Heavy metal salts.

**Hazardous Decomposition Products:** Oxides of carbon and other toxic fumes.

## 11 . TOXICOLOGICAL INFORMATION

**Toxicity:**

| **$LD_{50}$/$LC_{50}$ Values Relevant for Classification:** | | |
|---|---|---|
| **120068-37-3 Fipronil (ISO)** | | |
| Oral | LD50 | >5000 mg/kg (rat) |
| Dermal | LD50 | >5000 mg/kg (rat) |

**Acute Health Effects**
**Inhalation:** No adverse health effects expected.
**Skin:** No adverse health effects expected.
**Eye:** No adverse health effects expected.
**Ingestion:** Ingestion is not considered a potential route of exposure.

**Skin Corrosion / Irritation:** Based on classification principles, the classification criteria are not met.

**Serious Eye Damage / Irritation:** Based on classification principles, the classification criteria are not met.

**Respiratory or Skin Sensitisation:** Based on classification principles, the classification criteria are not met.

**Germ Cell Mutagenicity:** Based on classification principles, the classification criteria are not met.

**Carcinogenicity:** This product does NOT contain any IARC listed chemicals.

**Reproductive Toxicity:** Based on classification principles, the classification criteria are not met.

**Specific Target Organ Toxicity (STOT) - Single Exposure:**
Based on classification principles, the classification criteria are not met.

**Specific Target Organ Toxicity (STOT) - Repeated Exposure:**
Based on classification principles, the classification criteria are not met.

**Aspiration Hazard:** Based on classification principles, the classification criteria are not met.

**Chronic Health Effects:** No information available

**Existing Conditions Aggravated by Exposure:** No information available

**Additional toxicological 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

**Ecotoxicity:** The material is toxic to silkworm.

**Aquatic toxicity:** Harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

**Persistence and Degradability:** No information available

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**Bioaccumulative Potential:** No information available

**Mobility in Soil:** No information available
**Other adverse effects:** No information available

## 13 . DISPOSAL CONSIDERATIONS

**Disposal Methods and Containers:** Dispose according to applicable local and state government regulations.

**Special Precautions for Landfill or Incineration:**
Please consult your state Land Waste Management Authority for more information.

## 14 . TRANSPORT INFORMATION

| | |
|---|---|
| **UN Number** | Not regulated |
| **Proper Shipping Name** | Not regulated |
| **Dangerous Goods Class** | Not regulated |
| **Packing Group:** | Not regulated |

## 15 . REGULATORY INFORMATION

| **Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:** | |
|---|---|
| 120068-37-3 | Fipronil (ISO) |

## 16 . OTHER INFORMATION

**Date of Preparation or Last Revision:** 25.11.2016

**Prepared by:** MSDS.COM.AU Pty Ltd www.msds.com.au

**Abbreviations and acronyms:**
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
CAS: Chemical Abstracts Service (division of the American Chemical Society)
$LC_{50}$: Lethal concentration, 50 percent
$LD_{50}$: Lethal dose, 50 percent
IARC: International Agency for Research on Cancer
STEL: Short Term Exposure Limit
TWA: Time Weighted Average
NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)
Acute Toxicity (Oral) 3: Acute toxicity – Category 3
STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1
Aquatic Acute 1: Hazardous to the aquatic environment, short-term (Acute). Category 1
Aquatic Acute 3: Hazardous to the aquatic environment, short-term (Acute). Category 3
Aquatic Chronic 1: Hazardous to the aquatic environment, long-term (Chronic). Category 1
Aquatic Chronic 3: Hazardous to the aquatic environment, long-term (Chronic). Category 3

**Disclaimer**
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