

# SAFETY DATA SHEET

According to Safe Work Australia

Printing Date: 20.07.2021

Revision: 20.07.2021

## 1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

**Product Name:** SUNDEW FLEA CONTROL DEODORISING HOUSEHOLD FLEA SPRAY

**Other Means of Identification:** Mixture

**Recommended Use of the Chemical and Restriction on Use:** Insecticide

**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:**

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition).



flame

Aerosol 1

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.



Serious Eye Damage/Irritation 2A H319

Causes serious eye irritation.

**Signal Word** Danger

**Hazard Statements**

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

H319 Causes serious eye irritation.

**Precautionary Statements**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P251 Do not pierce or burn, even after use.

P211 Do not spray on an open flame or other ignition source.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P264 Wash hands thoroughly after handling.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

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## 3 . COMPOSITION AND INFORMATION ON INGREDIENTS

### Chemical Characterization: Mixtures

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

Hazardous Components:		
74-98-6	Propane ⚠ Flammable Gases 1, H220; ⚠ Gases Under Pressure (Compressed gas), H280	60%
64-17-5	Ethanol ⚠ Flammable Liquids 2, H225; ⚠ Serious Eye Damage/Irritation 2, H319	39%
138261-41-3	Imidacloprid (ISO) ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Acute Toxicity (Oral) 4, H302	0.025%

## 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 irritation, remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

### Eye Contact:

In case of eye contact, hold eyelids open and rinse with water for at least 15 minutes. Seek immediate medical attention.

### Ingestion:

If swallowed, do not induce vomiting. Immediately rinse mouth with water. Give a glass of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

## 5 . FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:** Water fog, foam, sand or carbon dioxide. Do not use high volume jet.

### Specific Hazards Arising from the Chemical:

Hazardous combustion products include oxides of carbon and nitrogen, hydrogen chloride and hydrogen cyanide. The product is extremely flammable. Keep away from heat and sources of ignition. Fire or intense heat may cause violent rupture of packages.

### 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 respiratory protection and full protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation. Extinguish all sources of ignition. Avoid sparks and open flames. No smoking.

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

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## 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. Use only non-sparking tools.

## 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. The product is extremely flammable. Keep away from heat and sources of ignition. Fire or intense heat may cause violent rupture of packages. Take measures to prevent the build up of electrostatic charge.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Exposure Standards:

#### 64-17-5 Ethanol

WES | TWA: 1880 mg/m<sup>3</sup>, 1000 ppm

#### 74-98-6 Propane

WES | Asphyxiant

### Engineering Controls:

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below the limits.

### Respiratory Protection:

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.

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## 9 . PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	
<b>Form:</b>	Aerosol
<b>Colour:</b>	Light yellow
<b>Odour:</b>	Characteristic
<b>Odour Threshold:</b>	No information available
<b>pH-Value:</b>	5-6
<b>Melting point/Melting range:</b>	No information available
<b>Initial Boiling Point/Boiling Range:</b>	No information available
<b>Flash Point:</b>	No information available
<b>Flammability:</b>	Highly flammable.
<b>Auto-ignition Temperature:</b>	No information available
<b>Decomposition Temperature:</b>	No information available
<b>Explosion Limits:</b>	
<b>Lower:</b>	No information available
<b>Upper:</b>	No information available
<b>Vapour Pressure:</b>	No information available
<b>Relative Density at 20 °C:</b>	0.64
<b>Vapour Density:</b>	No information available
<b>Evaporation Rate:</b>	No information available

## 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:** Heat, sparks, open flames, hot surfaces and direct sunlight.

**Incompatible Materials:** Alkaline pesticides.

**Hazardous Decomposition Products:** Oxides of carbon and nitrogen, hydrogen chloride and hydrogen cyanide.

## 11 . TOXICOLOGICAL INFORMATION

### Toxicity:

#### LD<sub>50</sub>/LC<sub>50</sub> Values Relevant for Classification:

#### 138261-41-3 Imidacloprid (ISO)

	LD <sub>50</sub>	>5000 mg/kg (rat) (percutaneous)
Oral	LD <sub>50</sub>	450 mg/kg (rat)
Inhalation	LC <sub>50</sub> /4 h	69 mg/m <sup>3</sup> (rat) (aerosol)
		>5323 mg/m <sup>3</sup> (rat) (dust)

### Acute Health Effects

**Inhalation:** No adverse health effects expected.

**Skin:** No adverse health effects expected.

**Eye:** Causes serious eye irritation.

**Ingestion:** May be harmful if swallowed.

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**Skin Corrosion / Irritation:** Based on classification principles, the classification criteria are not met.**Serious Eye Damage / Irritation:** Causes serious eye irritation.**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 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: Comm. Dept. of Health and Ageing Office of Chemical Safety, 'ADI List', June 2014).

## 12 . ECOLOGICAL INFORMATION

**Ecotoxicity:** Imidacloprid is considered highly toxic to bees.**Aquatic toxicity:****138261-41-3 Imidacloprid (ISO)**LC<sub>50</sub>/96 h 211 mg/L (rainbow trout)

237 mg/L (golden orfe)

Very toxic to aquatic life with long lasting effects.

**Persistence and Degradability:** No information available**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.

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**14 . TRANSPORT INFORMATION**

<b>UN Number ADG, IMDG, IATA</b>	UN1950
<b>Proper Shipping Name ADG, IMDG, IATA</b>	AEROSOLS, FLAMMABLE (IMIDACLOPRID SOLUTION)
<b>Dangerous Goods Class ADG Class:</b>	2.1
<b>Packing Group: ADG, IMDG, IATA</b>	III
<b>Marine pollutant:</b>	Yes
<b>EMS Number:</b>	F-D,S-U
<b>Hazchem Code:</b>	2YE
<b>Special Provisions:</b>	63, 190, 277, 327
<b>Limited Quantities:</b>	See SP 277
<b>Packagings &amp; IBCs - Packing Instruction:</b>	P003, LP02
<b>Packagings &amp; IBCs - Special Packing Provisions:</b>	PP17, PP87, L2

**15 . REGULATORY INFORMATION****Australian Inventory of Chemical Substances:**

138261-41-3	Imidacloprid (ISO)
64-17-5	Ethanol
74-98-6	Propane
106-97-8	Butane

**Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:** Not Scheduled.**16 . OTHER INFORMATION****Date of Preparation or Last Revision:** 20.07.2021**Prepared by:****Abbreviations and acronyms:**

ADG: Australian Dangerous Goods  
 IMDG: International Maritime Code for Dangerous Goods  
 IATA: International Air Transport Association  
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)  
 LC<sub>50</sub>: Lethal concentration, 50 percent  
 LD<sub>50</sub>: 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)  
 Flammable Gases 1: Flammable gases – Category 1  
 Aerosol 1: Aerosols – Category 1

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Gases Under Pressure (Compressed gas): Gases under pressure – Compressed gas  
Flammable Liquids 2: Flammable liquids – Category 2  
Acute Toxicity (Oral) 4: Acute toxicity – Category 4  
Serious Eye Damage/Irritation 2: Serious eye damage/eye irritation – Category 2  
Serious Eye Damage/Irritation 2A: Serious eye damage/eye irritation – Category 2A  
Aquatic Acute 1: Hazardous to the aquatic environment, short-term (Acute). Category 1  
Aquatic Chronic 1: Hazardous to the aquatic environment, long-term (Chronic). Category 1

**Disclaimer**

This SDS is prepared in accord with the Safe Work Australia document “Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - December 2011”

The information contained in this safety data sheet is provided in good faith and is believed to be accurate at the date of issuance. Sundew Solutions Pty Ltd makes no representation of the accuracy or comprehensiveness of the information and to the full extent allowed by law excludes all liability for any loss or damage related to the supply or use of the information in this material safety data sheet. Sundew Solutions Pty Ltd is not in a position to warrant the accuracy of the data herein. The user is cautioned to make their own determinations as to the suitability of the information provided to the particular circumstances in which the product is used.