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/m³, 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

Appearance:
Form: Aerosol
Colour: Light yellow
Odour: Characteristic
Odour Threshold: No information available
pH-Value: 5-6
Melting point/Melting range: No information available
Initial Boiling Point/Boiling Range: No information available
Flash Point: No information available
Flammability: Highly flammable.
Auto-ignition Temperature: No information available
Decomposition Temperature: No information available
Explosion Limits:
Lower: No information available
Upper: No information available
Vapour Pressure: No information available
Relative Density at 20 °C: 0.64
Vapour Density: No information available
Evaporation Rate: 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_{50}/LC_{50} Values Relevant for Classification:		
138261-41-3 Imidacloprid (ISO)		
	LD_{50}	>5000 mg/kg (rat) (percutaneous)
Oral	LD_{50}	450 mg/kg (rat)
Inhalation	LC_{50}/4 h	69 mg/m³ (rat) (aerosol)
		>5323 mg/m³ (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_{50}/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

UN Number
ADG, IMDG, IATA UN1950

Proper Shipping Name
ADG, IMDG, IATA AEROSOLS, FLAMMABLE (IMIDACLOPRID SOLUTION)

Dangerous Goods Class
ADG Class: 2.1

Packing Group:
ADG, IMDG, IATA III

Marine pollutant: Yes

EMS Number: F-D,S-U

Hazchem Code: 2YE

Special Provisions: 63, 190, 277, 327

Limited Quantities: See SP 277

Packagings & IBCs - Packing Instruction: P003, LP02

Packagings & IBCs - Special Packing Provisions: 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_{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)
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.