Safety Data Sheet
according to WHS Regulations

Print date: 23.09.2025 Revision date: 23.09.2025

1 Identification

Product Name: Spinout® 133 SC Insecticide

Other Means of Identification: Mixture

APVMA Approval Number: 96247/148652

Recommended Use of the Chemical and Restriction on Use: Agricultural 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 Hazard(s) Identification

Hazardous Nature:
Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition), IATA and IMDG/IMSBC.
Not subject to the ADG Code when transported in Australia by Road or Rail in packagings that do not incorporate a receptacle exceeding 500 kg(L); or IBCs (refer to SP AU01). However if transported by Air or Sea, this provision does not apply.
Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS). Not classified as hazardous according to the Safe Work Australia criteria.


Environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

Aquatic Acute 2 H401 Toxic to aquatic life.

Signal Word None

Hazard Statements
H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements
P273 Avoid release to the environment.
P391 Collect spillage.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

3 Composition and Information on Ingredients

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

Hazardous Components:			
CAS: 168316-95-8	Spinosad	Aquatic Acute 1, H400; Aquatic Chronic 1, H410	12.9%

Non Hazardous Components:		
CAS: 57-55-6	Propylene glycol	<5%

4 First Aid Measures

Inhalation: If inhaled, remove to fresh air. Seek medical attention if breathing problems develop.

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

Eye Contact:
In case of eye contact, rinse with water for several minutes, including under eyelids. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Seek medical attention if irritation persists.

Ingestion:
If swallowed, do not induce vomiting. Immediately rinse mouth with water. Never give anything by mouth to an unconscious person. Seek medical attention if feeling unwell.

Symptoms Caused by Exposure:
Inhalation: May cause respiratory irritation.
Skin Contact: May cause skin irritation.
Eye Contact: May cause eye irritation.
Ingestion: May cause gastrointestinal irritation, nausea, diarrhoea and vomiting.

5 Fire Fighting Measures

Suitable Extinguishing Media:
Use water spray, alcohol-resistant foam, dry chemical powder or carbon dioxide.

Specific Hazards Arising from the Chemical:
Hazardous combustion products include acrid smoke and oxides of carbon.
Product is not flammable.
Containers close to fire should be removed only if safe to do so. Use water spray to cool fire exposed containers.
Prevent run-off from fire fighting entering drains or water courses.
HAZCHEM Code: •3Z

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 protective equipment. Keep unprotected persons away.

Environmental Precautions:
In the event of a major spill, prevent spillage from entering drains or water courses.
Inform respective authorities in case of seepage into water course or sewage system.

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. Use only outdoors or in a well-ventilated area.
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 in original container, tightly closed when not in use. Protect from direct sunlight. Keep away from oxidising agents, strong acids, and alkalis.

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8 Exposure Controls and Personal Protection

Exposure Standards:	
CAS: 57-55-6 Propylene glycol	
WES	TWA: 474* 10** mg/m³, 150* ppm *vapour&particluates;**particulates only

Engineering Controls:
Ensure adequate ventilation of the working area, keeping airborne concentrations below occupational exposure standards.

Respiratory Protection:
Use an approved combination vapour and particulate respirator (filter type A/P) 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:
Protective 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:
Safety glasses with top and side shields or goggles. See Australian/New Zealand Standards AS/NZS 1336 and 1337 for more information.

9 Physical and Chemical Properties

Appearance:	
Form:	Liquid
Colour:	White to pale tan
Odour:	Characteristic
Odour Threshold:	No information available
pH-Value:	6-9
Melting point/freezing point:	No information available
Initial Boiling Point/Boiling Range:	~100 °C
Flash Point:	>100 °C
Flammability (solid, gas):	Not applicable
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
Density at 20 °C:	1.02-1.04 g/cm³
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	Forms a suspension
Partition Coefficient (n-octanol/water):	No information available
Viscosity:	No information available

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10 Stability and Reactivity

Possibility of Hazardous Reactions: No dangerous reactions known under conditions of normal use.

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

Conditions to Avoid: Direct sunlight.

Incompatible Materials: Oxidising agents, strong acids, and alkalis.

Hazardous Decomposition Products: Acrid smoke and oxides of carbon.

11 Toxicological Information

Toxicity:

LD50/LC50 Values:		
CAS: 168316-95-8 Spinosad		
Oral	LD50	>3,600 mg/kg (Rattus norvegicus (rat)); >19,000 mg/kg formulated product (estimated)
Dermal	LD50	>5,000 mg/kg (Oryctolagus cuniculus (rabbit))
Inhalation	LC50/4 h	>5,180 mg/l (Rattus norvegicus (rat))
CAS: 57-55-6 Propylene glycol		
Oral	LD50	20,000 mg/kg (Rattus norvegicus (rat))
	LD50	20,800 mg/kg (Oryctolagus cuniculus (rabbit))
Dermal	LD50	20,800 mg/kg (Oryctolagus cuniculus (rabbit))

Acute Health Effects
Inhalation: May cause respiratory irritation.
Skin: May cause skin irritation.
Eye: May cause eye irritation.
Ingestion: May cause gastrointestinal irritation, nausea, diarrhoea and vomiting.

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:
Based on classification principles, the classification criteria are not met.
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 data associated with long term health effects.

Existing Conditions Aggravated by Exposure: No data available.

Additional toxicological information:
The Australian Acceptable Daily Intake (ADI) for spinosad for a human is 0.02 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the LOAEL of 2.4 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: Australian Pesticides and Veterinary Medicines Authority, 'Acceptable Daily Intakes for Agricultural and Veterinary Chemicals', 2022).

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12 Ecological Information

Ecotoxicity:	
CAS: 168316-95-8 Spinosad	
LD50	0.0036 µg/bee (Apis mellifera (honey bee))

Aquatic toxicity:
Toxic to aquatic life with long lasting effects.

CAS: 168316-95-8 Spinosad	
EC50/48 h	>1 mg/l (Daphnia magna (water flea))
LC50/96 h	27 mg/l (Oncorhynchus mykiss (rainbow trout))
CAS: 57-55-6 Propylene glycol	
EC50/48 h	13,020 mg/l (Daphnia magna (water flea))
LC50/96 h	52,930 mg/l (Pimephales promelas (fathead minnow))

Persistence and Degradability: No data available on finished product.

Bioaccumulative Potential: No data available on finished product.

Mobility in Soil: No data available on finished product.

Other adverse effects: No further relevant information available.

13 Disposal Considerations

Disposal Methods and Containers:
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
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 ADG, IMDG, IATA	UN3082
Proper Shipping Name ADG, IMDG, IATA	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains spinosad)
Dangerous Goods Class ADG Class:	9
Packing Group: ADG, IMDG, IATA	III
EMS Number:	F-A,S-F
Hazchem Code:	•3Z
Special Provisions:	274, 331, 335, 375, AU01
Transport/Additional information:	Not subject to the ADG Code when transported by road or rail in packagings that do not incorporate a receptacle exceeding 500 kg(L) or IBCs. (refer to SP AU01)
Excepted quantities (EQ):	E1
Limited Quantities:	5 L
Packagings & IBCs - Packing Instruction:	P001, IBC03, LP01

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Packagings & IBCs - Special Packing Provisions:	PP1
Portable Tanks & Bulk Containers - Instructions:	T4
Portable Tanks & Bulk Containers - Special Provisions:	TP1, TP29

15 Regulatory Information

Australian Inventory of Industrial Chemicals:
All components are on the inventory, or in compliance with the inventory.

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Poison Schedule:
Not a scheduled poison.
Australian Pesticides and Veterinary Medicines Authority:
This product is registered with the Australian Pesticides and Veterinary Medicines Authority. APVMA approval number 96247/148652.

®Spinout is a registered trade mark of Sundew Solutions Pty Ltd.

16 Other Information

Date of Preparation or Last Revision: 23.09.2025

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

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)
LC50: Lethal concentration, 50 percent
LD50: 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)
Aquatic Acute 1: Hazardous to the aquatic environment, short-term (Acute). Category 1
Aquatic Acute 2: Hazardous to the aquatic environment, short-term (Acute). Category 2
Aquatic Chronic 1: Hazardous to the aquatic environment, long-term (Chronic). Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment, long-term (Chronic). Category 2

Disclaimer
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. MSDS.COM.AU 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.
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 - July 2020”.