

SECTION 1: Identification

1.1 Product identifier

Product name : Similarv Insect Growth Regulator

1.2 Other means of identification

No additional information available

1.3 Recommended use of the chemical and restrictions on use

Recommended use : Insect Growth Regulator
Restrictions on use : Not to be used for any purpose other than the one the product was designed for

1.4 Details of manufacturer or importer

Supplier

Sumitomo Chemical Australia Pty Ltd.
Level 5
Level 5 51 Rawson Street
Epping Epping NSW 2121
Australia
T +61 (0)2 8752 9000
reception@sumitomo-chem.com.au - www.sumitomo-chem.com.au

Distributor

Key Industries
15d Paul Matthews Rd
Auckland 0632
T +64 9 917 1791

1.5. Emergency phone number

Emergency number : 1800 033 111
Office hours: (+61) 1800 033 111
Poisons Information Centre (24 h): 0800 764 766

SECTION 2: Hazard identification

2.1. Classification of the hazardous chemical

HSNO Approval Number : Similarv Insect Growth Regulator - HSR000705

Classification according to the Environmental Protection Authority notices (EPA Hazardous Substances and New Organisms Act 1996)

Flammable liquids, Category 4	H227
Serious eye damage/eye irritation, Category 2	H319
Specific target organ toxicity – Single exposure, Category 2	H371
Hazardous to the aquatic environment – Chronic Hazard, Category 2	H411

2.2. GHS Label elements, including precautionary statements

GHS NZ labelling

Hazard pictograms (GHS NZ) :



Signal word (GHS NZ) : Warning
Contains : 2-(1-methyl-2-(4-phenoxyphenoxy)ethoxy)pyridine (1-3 %)
Hazard statements (GHS NZ) : H227 - Combustible liquid
H319 - Causes serious eye irritation
H371 - May cause damage to organs
H411 - Toxic to aquatic life with long lasting effects
Prevention : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
No smoking.
P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
P264 - Wash hands, forearms and face thoroughly after handling.

Summary Insect Growth Regulator

Safety Data Sheet

according to the Hazardous Substance SDS Notice 2017 (EPA)

Response	: P273 - Avoid release to the environment. P280 - Wear eye protection. : 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. P370+P378 - In case of fire: Use media other than water to extinguish. P391 - Collect spillage.
Storage	: P403+P235 - Store in a well-ventilated place. Keep cool. P405 - Store locked up.
Disposal	: P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

SECTION 3: Composition and information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
Other, non-hazardous ingredients	-	50-60
Propane-1,2-diol	CAS-No.: 57-55-6	10-30
Propylene Glycol Phenyl Ether	CAS-No.: 770-35-4	<15
Pyriproxyfen	CAS-No.: 95737-68-1	1-3
Sodium Lauryl Sulphate	CAS-No.: 151-21-3	1-3

SECTION 4: First-aid measures

4.1. Description of necessary first-aid measures

First-aid measures general	: IF exposed or concerned: Get medical advice/attention.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.

4.2. Symptoms caused by exposure

Symptoms/effects after inhalation	: Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.
Symptoms/effects after skin contact	: None under normal conditions.
Symptoms/effects after eye contact	: Eye irritation.
Symptoms/effects after ingestion	: None under normal conditions.

4.3. Medical attention and special treatment

Other medical advice or treatment	: Treat symptomatically.
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Summary Insect Growth Regulator

Safety Data Sheet

according to the Hazardous Substance SDS Notice 2017 (EPA)

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

- Fire hazard : Combustible liquid.
Explosion hazard : No direct explosion hazard.
General measures : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters.
Absorb spillage to prevent material damage. No action shall be taken without appropriate training or involving any personal risk.
Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. Exercise caution when fighting any chemical fire. Keep upwind.
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters.
Absorb spillage to prevent material damage. No action shall be taken without appropriate training or involving any personal risk.

6.1.1. For non-emergency personnel

- Protective equipment : Wear recommended personal protective equipment.
Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.

6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and materials for containment and cleaning up

- For containment : Collect spillage. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.
Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.
Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protective equipment. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

Summary Insect Growth Regulator

Safety Data Sheet

according to the Hazardous Substance SDS Notice 2017 (EPA)

7.2. Conditions for safe storage, including any incompatibilities

Technical measures	: Keep in a cool, well-ventilated place away from heat.
Storage conditions	: Keep cool. Protect from sunlight. Store in a well-ventilated place. Keep cool. Store locked up.
Information on mixed storage	: Store away from incompatible materials and products. Refer to the detailed list of incompatible materials in section 10 Stability/Reactivity.
Storage area	: Keep out of direct sunlight.
Special rules on packaging	: Position containers so that any labelling information is visible. Keep packaging closed when not in use. Check containers and packaging regularly for leaks and damage.
Packaging materials	: Store always product in container of same material as original container.

SECTION 8: Exposure controls and personal protection

8.1. Control parameters - exposure standards

Propane-1,2-diol (57-55-6)

New Zealand - Occupational Exposure Limits

Local name	Propane-1,2-diol
WES-TWA (OEL TWA)	474 mg/m ³ Vapour and particulates 10 mg/m ³ Particulates only
	150 ppm Vapour and particulates
Regulatory reference	Workplace Exposure Standards and Biological Exposure Indices, 13th Edition

Exposure limit values for the other components

No additional information available

8.2. Monitoring methods

Monitoring methods	: Workplace exposure - General requirements for the performance of procedures for the measurement of chemical agents. Gas detectors should be used when flammable gases/vapours may be released.
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8.3. Engineering controls

Appropriate engineering controls	: Ensure good ventilation of the work station. Use spark-/explosionproof appliances and lighting system. Use grounded electrical/mechanical equipment.
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8.4. Individual protection measures, such as personal protective equipment (PPE)

Personal protective equipment	: Personal protective equipment (PPE) must be suited to the nature of the work and any hazard associated with the work as identified by the risk assessment conducted. Avoid all unnecessary exposure. Wear protective gloves. Ocular shower with suitable liquid.
Hand protection	: Wear protective gloves: Antistatic gloves
Eye protection	: Wear eye protection: Chemical goggles or safety glasses
Skin and body protection	: Wear protective clothing: Antistatic clothing, Flame retardant protective clothing. Wear foot protection
Respiratory protection	: Use a half mask to protect the face from liquid splashes

Personal protective equipment symbol(s)



Environmental exposure controls	: Avoid release to the environment.
Other information	: PPE compliant with the recommended standards should be selected.

Sumilarv Insect Growth Regulator

Safety Data Sheet

according to the Hazardous Substance SDS Notice 2017 (EPA)

SECTION 9: Physical and chemical properties

Physical state	: Liquid
Appearance	: clear.
Colour	: yellowish
Odour	: Characteristic
Odour threshold	: No additional information available
pH	: 8.2 Concentrate solution
Evaporation rate	: No additional information available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point / Freezing point	: Melting point: Not applicable
Boiling point	: No data available
Flash point	: Pensky-Martens closed cup
Auto-ignition temperature	: No data available
Flammability	: Combustible liquid
Vapour pressure	: No additional information available
Relative density	: No additional information available
Density	: Relative density: 1.03 – 1.05 20°C
Solubility	: No additional information available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Explosive limits	: No additional information available
Minimum ignition energy	: No data available

SECTION 10: Stability and reactivity

Reactivity	: No additional information available
Chemical stability	: No additional information available
Possibility of hazardous reactions	: No additional information available
Conditions to avoid	: Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.
Incompatible materials	: Strong acids. Strong bases. Strong oxidizers.
Hazardous decomposition products	: No additional information available

SECTION 11: Toxicological information

11.1. Toxicity

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Sodium Lauryl Sulphate (151-21-3)	
LD50 oral rat	977 – 1427 mg/kg
LD50 dermal rat	> 2000 mg/kg

Skin corrosion/irritation	: Not classified. pH: 8.2 Concentrate solution
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause damage to organs.
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

Sumilarv Insect Growth Regulator

Safety Data Sheet

according to the Hazardous Substance SDS Notice 2017 (EPA)

SECTION 12: Ecological information

12.1. Ecotoxicity

Ecology - general	: Toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute)	: Not classified.
Hazardous to the aquatic environment, long-term (chronic)	: Toxic to aquatic life with long lasting effects.
Soil toxicity	: Not classified
Terrestrial vertebrate toxicity	: Not classified
Terrestrial invertebrate toxicity	: Not classified

12.2. Persistence and degradability

Sumilarv Insect Growth Regulator

Persistence and degradability	Rapidly degradable
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Sodium Lauryl Sulphate (151-21-3)

Persistence and degradability	Rapidly degradable
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Other, non-hazardous ingredients

Persistence and degradability	Rapidly degradable
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Propylene Glycol Phenyl Ether (770-35-4)

Persistence and degradability	Rapidly degradable
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Pyriproxyfen (95737-68-1)

Persistence and degradability	Rapidly degradable
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Propane-1,2-diol (57-55-6)

Persistence and degradability	Rapidly degradable
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12.3. Bioaccumulative potential

Sumilarv Insect Growth Regulator

Bioaccumulative potential	No additional information available
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12.4. Mobility in soil

Sumilarv Insect Growth Regulator

Mobility in soil	No additional information available
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12.5. Other adverse effects

Ozone	: Not classified
Other adverse effects	: No additional information available

SECTION 13: Disposal considerations




Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Disposal must be done according to official regulations.
Additional information	: Do not re-use empty containers.

Summary Insect Growth Regulator

Safety Data Sheet

according to the Hazardous Substance SDS Notice 2017 (EPA)

SECTION 14: Transport information

IMDG	IATA	UNRTDG
14.1. UN number		
3082	3082	3082
14.2. UN Proper Shipping Name		
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	Environmentally hazardous substance, liquid, n.o.s.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Transport document description		
UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III, MARINE POLLUTANT	UN 3082 Environmentally hazardous substance, liquid, n.o.s., 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III
14.3. Transport hazard class(es)		
9	9	9
		
14.4. Packing group		
III	III	III
14.5. Environmental hazards		
Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes
No supplementary information available		

14.6. Special precautions for user

Transport by road and rail

Special provisions (UN RTDG) : 274, 331, 335, 375
Limited quantities (UN RTDG) : 5L
Excepted quantities (UN RTDG) : E1
Packing instruction (UN RTDG) : P001, IBC03, LP01
Special packing provisions (UN RTDG) : PP1
Portable tank and bulk container special instructions (UN RTDG) : T4
Portable tank and bulk container special provisions (UN RTDG) : TP1, TP29

Transport by sea

Special provisions (IMDG) : 274, 335, 969
Limited quantities (IMDG) : 5 L
Excepted quantities (IMDG) : E1
Packing instructions (IMDG) : LP01, P001
Special packing provisions (IMDG) : PP1
IBC packing instructions (IMDG) : IBC03
Tank instructions (IMDG) : T4
Tank special provisions (IMDG) : TP1, TP29
EmS-No. (Fire) : F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE
EmS-No. (Spillage) : S-F - SPILLAGE SCHEDULE Foxtrot - WATER-SOLUBLE MARINE POLLUTANTS
Stowage category (IMDG) : A

Air transport

PCA Excepted quantities (IATA) : E1
PCA Limited quantities (IATA) : Y964
PCA limited quantity max net quantity (IATA) : 30kgG

Summary Insect Growth Regulator

Safety Data Sheet

according to the Hazardous Substance SDS Notice 2017 (EPA)

PCA packing instructions (IATA)	: 964
PCA max net quantity (IATA)	: 450L
CAO packing instructions (IATA)	: 964
CAO max net quantity (IATA)	: 450L
Special provisions (IATA)	: A97, A158, A197, A215
ERG code (IATA)	: 9L

14.7. Transport in bulk according to IMO instruments

Not applicable

14.8. Hazchem or Emergency Action Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations specific for the product in question

Hazardous Substances and New Organisms Act

HSNO Approval Number : Summary Insect Growth Regulator - HSR000705

Sodium Lauryl Sulphate (151-21-3)

Hazardous Substances and New Organisms Act

HSNO Approval Number	HSR003122
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Propylene Glycol Phenyl Ether (770-35-4)

Hazardous Substances and New Organisms Act

HSNO Approval Number	HSR003522
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Pyriproxyfen (95737-68-1)

Hazardous Substances and New Organisms Act

HSNO Approval Number	HSR003297
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15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Issue date : 3/10/2024

Safety Data Sheet (SDS), New Zealand

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.