

Safety Data Sheet

according to the WHS Regulations
Issue date: 4/23/2026 Issue date: 4/23/2026 Version: 1.0

SECTION 1: Product identifier

1.1. GHS Product identifier

Product form : Mixture
Product name : SUMI-ALPHA FLEX INSECTICIDE

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Insecticide
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

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

1.5. Emergency phone number

Emergency number : MEDICAL EMERGENCY
Poisons Information Centre - Phone Australia 13 11 26, National Poison Center - Phone New Zealand 0800 764 766.

TRANSPORT EMERGENCY
Australia - 1800 033 111, New Zealand 0800 734 607

SECTION 2: Hazard identification

2.1. Classification of the hazardous chemical

Classification according to the model Work Health and Safety Regulations (WHS Regulations)

Flammable liquids, Category 4	H227
Acute toxicity (oral), Category 4	H302
Skin sensitisation, Category 1	H317
Carcinogenicity, Category 2	H351
Hazardous to the aquatic environment – Acute Hazard, Category 1	H400
Hazardous to the aquatic environment – Chronic Hazard, Category 3	H412

2.2. GHS Label elements, including precautionary statements

Hazard pictograms (GHS AU) :

		
GHS07	GHS08	GHS09
Exclamation mark	Health hazard	Environment

Signal word (GHS AU) : Warning
Contains : Esfenvalerate (6.63 %); Naphthalene (1-10 %); Nonyl phenol ethoxylate (> 2.646 %)
Hazard statements (GHS AU) : H227 - Combustible liquid
H302 - Harmful if swallowed
H317 - May cause an allergic skin reaction

SUMI-ALPHA FLEX INSECTICIDE

Safety Data Sheet

according to the WHS Regulations

Precautionary statements (GHS AU)	<p>H351 - Suspected of causing cancer H400 - Very toxic to aquatic life H412 - Harmful to aquatic life with long lasting effects</p> <p>: P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P261 - Avoid breathing spray. P264 - Wash hands, forearms and face thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P272 - Contaminated work clothing should not be allowed out of the workplace. P273 - Avoid release to the environment. P280 - Wear recommended . P301+P312 - IF SWALLOWED: Call Poison Information Centre 13 11 26 if you feel unwell. P302+P352 - IF ON SKIN: Wash with plenty of water. P308+P313 - IF exposed or concerned: Get medical advice/attention. P321 - Specific treatment (see supplemental first aid instruction on this label). P330 - Rinse mouth. P333+P313 - If skin irritation or rash occurs: Get medical advice or attention as appropriate. P362+P364 - Take off contaminated clothing and wash it before reuse. P370+P378 - In case of fire: Use Water spray;Dry powder;Foam;Carbon dioxide to extinguish. P391 - Collect spillage. P403+P235 - Store in a well-ventilated place. Keep cool. P405 - Store locked up. P501 - Dispose of container to local regulations.</p>
-----------------------------------	--

2.3. Other hazards which do not result in classification

No additional information available

SECTION 3: Composition and information on ingredients

Name	CAS-No.	%
Solvent naphtha (petroleum), heavy arom.	64742-94-5	60-100
Naphthalene	91-20-3	1-10
Esfenvalerate	66230-04-4	6.63
Other substances (not contributing to the classification of this product)	-	Up to 100%

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. Call a poison center or a doctor if you feel unwell.
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. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
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	: Rinse mouth. Call a poison center or a doctor if you feel unwell.
Self protection of the first-aider	: First-aiders should pay attention to their own protection and use the recommended personal protective equipment (see section 8).

4.2. Symptoms caused by exposure

Symptoms/effects after inhalation	: None under normal conditions.
Symptoms/effects after skin contact	: Irritation. May cause an allergic skin reaction.

SUMI-ALPHA FLEX INSECTICIDE

Safety Data Sheet

according to the WHS Regulations

Symptoms/effects after eye contact : Eye irritation.
Symptoms/effects after ingestion : Harmful if swallowed.

4.3. Medical attention and special treatment

Other medical advice or treatment : Treat symptomatically.

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.
Hazchem Code : * 3Z

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 mist, vapour, 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.

SUMI-ALPHA FLEX INSECTICIDE

Safety Data Sheet

according to the WHS Regulations

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 spray. Avoid contact with skin and eyes.
- Hygiene measures : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Keep in a cool, well-ventilated place away from heat.
- Storage conditions : 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 : Always store product in container of same material as original container.

SECTION 8: Exposure controls and personal protection

8.1. Control parameters - exposure standards

Naphthalene (91-20-3)	
Australia - Occupational Exposure Limits	
Local name	Naphthalene
OES TWA	52 mg/m ³
	10 ppm
OES STEL	79 mg/m ³
	15 ppm
Remark (AU)	Carc. 2 - Suspected human carcinogen.
Regulatory reference	Workplace exposure standards for airborne contaminants (2024)
New Zealand - Occupational Exposure Limits	
Local name	Naphthalene
WES-TWA (OEL TWA)	2.6 mg/m ³
	0.5 ppm
WES-STEEL (OEL STEL)	10 mg/m ³
	2 ppm
Remark (NZ)	carcinogen category 2 (Suspected human carcinogen); skin (Skin absorption)
Regulatory reference	Workplace Exposure Standards and Biological Exposure Indices, 15th Edition

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.

SUMI-ALPHA FLEX INSECTICIDE

Safety Data Sheet

according to the WHS Regulations

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.

8.4. Individual protection measures, such as personal protective equipment (PPE)

Materials for protective clothing : When preparing spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrist, a washable hat, elbow-length Chemical Resistant gloves and face shield.

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Elbow-length chemical resistant gloves					

Eye protection : Face shield

Personal protective equipment symbol(s)



Environmental exposure controls : Avoid release to the environment.

SECTION 9: Physical and chemical properties

Physical state : Liquid
Appearance : clear.
Colour : Yellow to Brown
Odour : Aromatic Hydrocarbons
Odour threshold : No data available
pH : No data available
pH solution : No data available
Relative evaporation rate (butylacetate=1) : No data available
Melting point / Freezing point : Melting point: Not applicable
Boiling point : No data available
Flash point : 69 °C Pensky-Martens closed cup
Auto-ignition temperature : > 450 °C
Flammability : No data available
Vapour pressure : Vapour pressure: 0.5 – 0.7 kPa at 15°C
Relative density : No data available
Density : Relative density: 0.907 at 20°C
Solubility : Water: Emulsifiable in water
Partition coefficient n-octanol/water (Log Pow) : No data available
Explosive properties : No data available
Explosive limits : No data available
Minimum ignition energy : No data available
Fat solubility : No data available

SECTION 10: Stability and reactivity

Reactivity : The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability : Stable under normal conditions.
Possibility of hazardous reactions : No dangerous reactions known under normal conditions of use.
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 : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

Acute toxicity (oral) : Harmful if swallowed.

SUMI-ALPHA FLEX INSECTICIDE

Safety Data Sheet

according to the WHS Regulations

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

SUMI-ALPHA FLEX INSECTICIDE

ATE AU (oral)	1129.892 mg/kg bodyweight
---------------	---------------------------

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitization : May cause an allergic skin reaction.
Germ cell mutagenicity : Not classified
Carcinogenicity : Suspected of causing cancer.
Reproductive toxicity : Not classified
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified
Aspiration hazard : Not classified

SECTION 12: Ecological information

According to the National Code of Practice for the Preparation of Material Safety Data Sheets, Environmental classification information is not mandatory. Information relevant for GHS classification is available on request

12.1. Ecotoxicity

Ecology - general : Very toxic to aquatic life.
Hazardous to the aquatic environment, short-term (acute) : Very toxic to aquatic life.
Hazardous to the aquatic environment, long-term (chronic) : Harmful to aquatic life with long lasting effects.

Esfenvalerate (66230-04-4)

LC50 - Fish [1]	0.00026 mg/l <i>Lepomis macrochirus</i> (Bluegill)
EC50 - Crustacea [1]	0.0009 mg/l <i>Daphnia magna</i>

12.2. Persistence and degradability

SUMI-ALPHA FLEX INSECTICIDE

Persistence and degradability	Not established.
-------------------------------	------------------

Other, non-hazardous ingredients

Persistence and degradability	Rapidly degradable
-------------------------------	--------------------

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

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

SUMI-ALPHA FLEX INSECTICIDE

Fluorinated greenhouse gases	False
------------------------------	-------

SECTION 13: Disposal considerations

Regional waste regulation : Disposal must be done according to official regulations.
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.




SUMI-ALPHA FLEX INSECTICIDE

Safety Data Sheet

according to the WHS Regulations

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.
Ecological waste information	: The waste of the product should be considered as hazardous as the product itself, with the likelihood of impacting the environment in the same way. Consider the handling and disposal of the waste as defined by the product itself.

SECTION 14: Transport information

ADG	IMDG	IATA
14.1. UN number		
3082	3082	3082
Australian Special Provision (SP AU01) ADG Code 7th Ed. Environmentally Hazardous Substances meeting the descriptions of UN 3077 or UN 3082 are not subject to this Code when transported by road or rail in: (a) packagings that do not incorporate a receptacle exceeding 500 kg(L); or (b) IBCs.	Special provision(s) applied : 969	Special provision(s) applied : A197
14.2. UN Proper Shipping Name		
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains efenvalerate)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains efenvalerate)	Environmentally hazardous substance, liquid, n.o.s. (contains efenvalerate)
14.3. Transport hazard class(es)		
9	9	9
		
14.4. Packing group		
III - Substances presenting low danger	III	III
14.5. Environmental hazards		
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes

14.6. Special precautions for user

Specific storage requirement	: No data available
Shock sensitivity	: No data available

14.7. Additional information

Other information	: Australian Special Provision (SP AU01) ADG Code 7th Ed. Environmentally Hazardous Substances meeting the descriptions of UN 3077 or UN 3082 are not subject to this Code when transported by road or rail in: (a) packagings that do not incorporate a receptacle exceeding 500 kg(L); or (b) IBCs.
-------------------	---

Transport by road and rail

UN-No. (ADG)	: 3082
Transport regulations (ADG)	: Subject to the provisions
Special provision (ADG)	: 274, 331, 335, 375, AU01
Limited quantities (ADG)	: 5I
Excepted quantities (ADG)	: E1

SUMI-ALPHA FLEX INSECTICIDE

Safety Data Sheet

according to the WHS Regulations

Packing instructions (ADG) : P001, IBC03, LP01
Special packing provisions (ADG) : PP1
Portable tank and bulk container instructions (ADG) : T4
Portable tank and bulk container special provisions (ADG) : TP1, TP29

Transport by sea

UN-No. (IMDG) : 3082
Special provisions (IMDG) : 274, 335, 375, 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

UN-No. (IATA) : 3082
PCA Excepted quantities (IATA) : E1
PCA Limited quantities (IATA) : Y964
PCA limited quantity max net quantity (IATA) : 30kgG
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

14.8. Hazchem or Emergency Action Code

Hazchem Code : * 3Z

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations

Australian Industrial Chemicals Introduction Scheme (AICIS)

Australian Inventory of Industrial Chemicals (AICIS Inventory) status : Contains substance(s) listed on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory)

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

Covered by The Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) : This chemical is covered by the Standard for the Uniform Scheduling of Medicines and Poisons
Relevant Poisons Schedule number : Schedule 6

Australian Pesticides and Veterinary Medicines Authority (APVMA)

Agricultural and veterinary chemicals act : This chemical is covered by the Agricultural and Veterinary Chemicals Act 1988
APVMA Approval number : 53047

15.2. International agreements

No additional information available

SUMI-ALPHA FLEX INSECTICIDE

Safety Data Sheet

according to the WHS Regulations

SECTION 16: Other information

Data sources	: Safe Work Australia - Code of Practice - Preparation of Safety Data Sheets for Hazardous Chemicals Safe Work Australia - Code of Practice - Labelling of Workplace Hazardous Chemicals Safe Work Australia - Workplace Exposure Standards for Airborne Contaminants Safe Work Australia - Hazardous Chemical Information System (HCIS) Australian Inventory of Industrial Chemicals (AICIS Inventory) Environmental Protection Authority - Hazardous Substances (Hazard Classification) Notice 2020 Environmental Protection Authority - Hazardous Substances (Safety Data Sheets) Notice 2017 Environmental Protection Authority - Hazardous Substances (Labelling) Notice 2017 New Zealand - Chemical Classification and Information Database (CCID) New Zealand - Inventory of Chemicals (NZIoC) European Chemicals Agency (ECHA) - Annex VI (C&L Inventory) European Chemicals Agency (ECHA) - REACH Study Results European Chemicals Agency (ECHA) - REACH Registration Dossiers United Nations - Globally Harmonised System of Classification and Labelling of Chemicals (GHS) Uniform Scheduling of Medicines and Poisons (SUSMP) United Nations Recommendations on the Transport of Dangerous Goods (UNRTDG Model Regulation) Australian Dangerous Goods Code (ADG Code) International Air Transport Association Dangerous Goods Regulations (IATA DGR) International Maritime Dangerous Goods (IMDG Code).
Issue date	: 4/23/2026

Safety Data Sheet (SDS), Australia

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.