

Section 1 - Identification of The Material and Supplier

Southern Monitoring Services Ltd
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Chemical nature: S-Methoprene plus carrier and other ingredients.
Trade Name: ProLink IGR Pellets (Insect Growth Regulator)
Manufacturer: ® Registered Trademark of Wellmark international - Made in the USA
EPA HSNO Approval Code: HSR000707
Product Use: Mosquito Insect Growth Regulator for use as described on the product label. A sustained release product to prevent adult mosquito emergence.
Restriction on Use: HSNO Act Section 95A Permission to Use
Creation Date: August, 2018
This version issued: August, 2018 and is valid for 5 years from this date.
Poisons Information Centre: 0800 764 766 in New Zealand

Section 2 - Hazards Identification

Statement of Hazardous Nature

HSNO Classification: This product is classified as: 9.1B, 9.4B.

GHS Classification: Aquatic Toxicity (chronic) – Category II

Ecotoxic to terrestrial invertebrates – No GHS equivalent

GHS Signal Word: NONE

GHS Hazard Statement: H411 Toxic to aquatic life with long lasting effects

SUSMP Classification: None allocated.

UN Number: None allocated

PREVENTION

- P102: Keep out of reach of children.
- P262: Do not get in eyes, on skin, or on clothing.
- P264: Wash hands after handling
- P273: Avoid release to the environment.
- P281: Use personal protective equipment as required.

RESPONSE

- P337: If eye irritation persists: seek medical attention.
- P353: Rinse skin or shower with water.
- P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P370+P378: Not combustible. Use extinguishing media suited to burning materials.

STORAGE

P402+P403+P404: Store in a dry place. Store in a closed container in a dry, cool, well ventilated area out of direct sunlight.

DISPOSAL

P501: Dispose of contents and containers as specified on the registered label.

Chronic 2



Emergency Overview

Physical Description & Colour: Grey to black solid pellets.

Odour: Slight hydrocarbon odour.

Major Health Hazards: no significant risk factors have been found for this product.

Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc,%	TWA (mg/m ³)	STEL (mg/m ³)
(S)-Methoprene	65733-16-6	42.5g/kg	not set	not set

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Other non hazardous ingredients secret to 100 not set not set

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

Section 4 - First Aid Measures

General Information:

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number 0800 764 766 in New Zealand and is available at all times. Have this SDS with you when you call.

Inhalation: First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

Skin Contact: Gently brush away excess particles. Irritation is unlikely. However, if irritation does occur, flush with lukewarm, gently flowing water for 5 minutes or until chemical is removed.

Eye Contact: Quickly and gently brush particles from eyes. No effects expected. If irritation does occur, flush contaminated eye(s) with lukewarm, gently flowing water for 5 minutes or until the product is removed. Obtain medical advice if irritation becomes painful or lasts more than a few minutes. Take special care if exposed person is wearing contact lenses.

Ingestion: If product is swallowed or gets in mouth, do NOT induce vomiting; wash mouth with water and give some water to drink. If symptoms develop, or if in doubt contact a Poisons Information Centre or a doctor.

Section 5 - Fire Fighting Measures

Fire and Explosion Hazards: The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.

Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.

Extinguishing Media: Suitable extinguishing media are carbon dioxide, dry chemical, foam, water fog.

Fire Fighting: If a significant quantity of this product is involved in a fire, call the fire brigade.

Flash point: No data

Upper Flammability Limit: No data.

Lower Flammability Limit: No data.

Autoignition temperature: No data.

Flammability Class: No data.

Section 6 - Accidental Release Measures

Accidental release: Minor spills do not normally need any special cleanup measures. In the event of a major spill, prevent spillage from entering drains or water courses. As a minimum, wear overalls, goggles and gloves. Suitable materials for protective clothing include PVC, Viton, Nitrile. Eye/face protective equipment should comprise as a minimum, protective glasses and, preferably, goggles. If there is a significant chance that dusts are likely to build up in cleanup area, we recommend that you use a suitable Dust Mask.

Stop leak if safe to do so and contain spill. Sweep up and shovel or collect recoverable product into labelled containers for recycling, salvage or disposal. Recovering product for reuse is suggested. Consider vacuuming if appropriate. Recycle containers wherever possible after appropriate cleaning. Refer to product label for specific instructions. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. [Note: Acute fish toxicity would not be expected during normal control programmes as the concentration of methoprene in water at any one time is unlikely to exceed 0.002 mg/L.]

Ensure legality of disposal by consulting regulations prior to disposal including NZ EPA Hazardous Substances (Disposal) Notice 2017.

Section 7 - Handling and Storage

Handling: Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

Storage: Store packages of this product in a dry, cool place. Make sure that containers of this product are kept tightly closed. Keep containers of this product in a well ventilated area. Protect this product from light. Make sure that

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the product does not come into contact with substances listed under "Incompatibilities" in Section 10. Check packaging - there may be further storage instructions on the label.

Section 8 - Exposure Controls and Personal Protection

The following Australian/New Zealand Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

Environmental Exposure Limits: No environmental exposure limit (EEL) is set for this substance at this time

Exposure Limits	TWA (mg/m³)	STEL (mg/m³)
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Exposure limits have not been established for any of the significant ingredients in this product.

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

Ventilation: This product should only be used in a well ventilated area. If natural ventilation is inadequate, use of a fan is suggested.

Eye Protection: Eye protection such as protective glasses or goggles is recommended when product is being used.

Skin Protection: The information at hand indicates that this product is not harmful and that normally no special skin protection is necessary. However, we suggest that you routinely avoid contact with all chemical products and that you wear suitable gloves (preferably elbow-length) when skin contact is likely.

Protective Material Types: We suggest that protective clothing be made from the following: PVC, Viton, nitrile.

Respirator: If there is a significant chance that dusts are likely to build up in the area where this product is being used, we recommend that you use a suitable Dust Mask.

Section 9 - Physical and Chemical Properties:

Physical Description & colour:	Grey to black solid pellets.
Odour:	Slight hydrocarbon odour.
Boiling Point:	Not available.
Freezing/Melting Point:	No specific data. Solid at normal temperatures.
Volatiles:	No data.
Vapour Pressure:	No data.
Vapour Density:	Not applicable.
Specific Gravity:	1.04
Water Solubility:	1ppm
pH:	No data.
Volatility:	No data.
Odour Threshold:	No data.
Evaporation Rate:	Not applicable.
Coeff Oil/water Distribution:	No data
Viscosity:	Not applicable.
Autoignition temp:	No data.

Section 10 - Stability and Reactivity

Stability: Stable under normal use and storage conditions

Reactivity: This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.

Conditions to Avoid: This product should be kept in a cool place, preferably below 30°C. Keep containers tightly closed. Keep containers and surrounding areas well ventilated. Protect this product from light.

Incompatibilities: No particular Incompatibilities.

Fire Decomposition: Combustion forms carbon dioxide, and if incomplete, carbon monoxide and smoke. Water is also formed. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

Hazardous Polymerisation: This product will not undergo polymerisation reactions.

Section 11 - Toxicological Information

Target Organs: There is no data to hand indicating any particular target organs.

This product has low toxicity by the dermal route. Acute Dermal LD₅₀ (rabbit) > 2000 mg/kg.

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No data available on this formulation. In studies with laboratory animals, S-methoprene did not cause teratogenicity, reproductive toxicity or carcinogenicity.

Classification of Hazardous Ingredients

Ingredient

Risk Phrases

CCID Database

No ingredient mentioned in the CCID Database is present in this product at hazardous concentrations.

NZ Inventory of Chemicals (NZIoC)

S-methoprene - Maybe used as a component in a product covered by a group standard but it is not approved for use as a chemical in its own right

Potential Health Effects

Inhalation:

Short Term Exposure: Available data indicates that this product is not harmful. In addition product is unlikely to cause any discomfort or irritation.

Long Term Exposure: No data for health effects associated with long term inhalation.

Skin Contact:

Short Term Exposure: Available data indicates that this product is not harmful. It should present no hazards in normal use. In addition product is unlikely to cause any discomfort in normal use.

Long Term Exposure: No data for health effects associated with long term skin exposure.

Eye Contact:

Short Term Exposure: This product may be irritating to eyes, but is unlikely to cause anything more than mild transient discomfort.

Long Term Exposure: No data for health effects associated with long term eye exposure.

Ingestion:

Short Term Exposure: Significant oral exposure is considered to be unlikely. However, this product may be irritating to mucous membranes but is unlikely to cause anything more than transient discomfort.

Long Term Exposure: No data for health effects associated with long term ingestion.

Carcinogen Status:

NTP: No significant ingredient is classified as carcinogenic by NTP.

IARC: No significant ingredient is classified as carcinogenic by IARC.

Section 12 - Ecological Information

Insufficient data to be sure of status.

Environmental Properties: No data is available on this product. Toxicity data is on the active constituent, (S)-Methoprene, has a half-life in soil of approximately 10 days which varies with soil type.

The hydrolysis half-life > 4 weeks. Photolysis half-life is < 10 hours. Water solubility is < 2 mg/L.

Environmental Toxicology: With fish LC₅₀ values of > 370 mg/L to 760 mg/L, (S)-methoprene is considered moderately toxic to fish. [Note: Acute fish toxicity would not be expected during control programmes as the concentration of methoprene in water at any one time is unlikely to exceed 0.002 mg/L.] (S)-methoprene has low toxicity to birds and is practically non-toxic to adult bees, but bee larvae are sensitive.

Section 13 - Disposal Considerations

Disposal Containers: Do not reuse product containers. Residual contents below threshold of hazardous substance. Dispose in accordance with manufacturers label instructions.

Disposal Product: Disposal requirements for Class 9 Substances. Must be disposed of by – treating the substance using a method that

- (i) Changes the characteristics or composition of the substance so that the substance is no longer hazardous; and
- (ii) In the case of class 9.1 substance that is, or contains a component that is bioaccumulative and not rapidly degradable, removes any component that is bioaccumulative and not rapidly degradable

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For purposes of Treating S-Methoprene: non bioaccumulative substance - disposal of the substance in a landfill would be most appropriate.

Section 14 - Transport Information

UN Number: This product is not classified as a Dangerous Good by NZDG, IATA or IMDG/IMSBC criteria. No special transport conditions are necessary unless required by other regulations.

Section 15 - Regulatory Information

EPA: HSNO Approval Number - HSR000707

Additional Controls

Restriction on Use: HSNO Act Section 95A Permission to Use

Section 16 - Other Information

This SDS contains only safety-related information. For other data see product literature.

Acronyms:

CAS number	Chemical Abstracts Service Registry Number
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program (USA)
R-Phrase	Risk Phrase
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
UN Number	United Nations Number

THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

This SDS is prepared in accord with the EPA document "Hazardous Substances (Safety Data Sheets) Notice 2017 (July 2017)

www.smsl.co.nz

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