



Section 1 - Identification of Chemical Product and Company

Chemical Nature: Broad spectrum acetylcholine receptor
Trade Name: **Lawnporn HISTORY**
Product Use: Insecticide for control of insect pests in recreational turf
Supplier: **Lawnporn Pty Ltd**
32 Scoble Street
Whyalla Norrie, SA 5608
Phone: 0407 978 267
www.lawnpornonline.com

Issue Date: **November 2019**

Section 2 - Hazards Identification

Statement of Hazardous Nature

This product is classified as: **Xn, Harmful, Hazardous according to the criteria of Worksafe Australia.**

Risk Phrases: R22, R43. Harmful if swallowed. May cause sensitisation by skin contact.

Safety Phrases: S20, S28. When using, do not eat or drink. After contact with skin, wash immediately with plenty of soap and water.

SUSMP Classification: S5

ADG Classification: None allocated. Not a Dangerous Good according to Australian Dangerous Goods (ADG) Code.

UN Number: 3082

GHS Signal word: **WARNING**



HAZARD STATEMENT

H302: Harmful if swallowed.

H313: May be harmful in contact with skin.

H333: May be harmful if inhaled.

PREVENTION

P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

P103: Read label before use.

P202: Do not handle until all safety precautions have been read and understood.

P234: Keep only in original container.

P261: Avoid breathing fumes, mists, vapours or spray.

P262: Do not get in eyes, on skin, or on clothing.

P264: Wash contacted areas thoroughly after handling.

P270: Do not eat drink or smoke when using this product.

P281: Use personal protective equipment as required.

P285: In case of inadequate ventilation wear respiratory protection.

P235+P410: Keep cool. Protect from sunlight.

RESPONSE

P362: Take off contaminated clothing and wash before use.

P301+P312: IF SWALLOWED: Call a Poison Centre or doctor.

P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

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P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.

P313+P337: If eye irritation persists, get medical advice.

P309+P311: If exposed or you feel unwell: Call a Poisons Centre or doctor.

STORAGE

P402+P404: Store in a dry place. Store in a closed container.

P410+403: Protect from sunlight. Store in a well ventilated place.

DISPOSAL

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

Section 3 - Composition/Information on Ingredients

<u>Ingredients</u>	<u>CAS No</u>	<u>Concentration</u>
Thiamethoxam	153719-23-4	250g/L
Other ingredients classified as non-hazardous	Non-hazardous	to 100%

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

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 is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this MSDS with you when you call.

Inhalation: No specific health data are available for this product. If any unusual symptoms become evident, or if in doubt, contact a Poisons Information Centre or a doctor.

Skin Contact: Wash gently and thoroughly affected areas with mild soap and plenty of water for 5 minutes or until product is removed. Under running water, remove contaminated clothing, shoes and leather goods (eg. watchbands and belts) and completely decontaminate them before reuse or discard.

Eye Contact: Check and remove any contact lenses. Protect unharmed eye. Rinse eyes immediately with clean water for at least 5 minutes. Keep eye wide open while rinsing. Seek medical advice immediately if irritation develops or persists.

Ingestion: Do not induce vomiting. Wash mouth with water and contact a Poisons Information Centre or a doctor.

Notes to Doctor: Treat symptomatically.

Section 5 - Fire Fighting Measures

Fire and Explosion Hazards: Product will not cause or contribute to an explosion. If in a fire product decomposition may result in the generation of carbon monoxide, carbon dioxide.

Extinguishing Media: Not Combustible. Use extinguishing media suited to burning materials.

Fire Fighting: If a significant quantity of this product is involved in a fire, call the fire brigade. Fire fighters should wear full protective gear, including self-contained breathing apparatus (AS/NZS 1715/1716). Keep unnecessary people away. If it can be done safely remove intact containers from the fire. Bund area with sand or earth to prevent contamination or drains or waterways. Dispose of fire residues and contaminated fire extinguishing water in accordance with local regulation. Do not release contaminated water into the environment.

Section 6 - Accidental Release Measures

Accidental release: Avoid contact with spilled material or contaminated surfaces. Do not smoke, eat or drink during the clean up process. Wear personal protective clothing and equipment as detailed in Section 8. Keep people and animals away. Ensure adequate ventilation. Contain spill and absorb with earth, sand, clay or other absorbent material. Prevent spilled material from entering drains or watercourses. Collect and store in properly labelled drums for safe disposal. Clean floor with a damp cloth and place it in the drum. Seal drums and label ready for safe disposal. Deal with all spillages immediately. If contamination of drains, streams, watercourses etc., is unavoidable warn the local water authority.

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Section 7 - Handling and Storage

Handling: Keep out of reach of children. Do not inhale spray mist. After use and before eating, drinking or smoking wash hands, arms and face thoroughly with soap and water. After each day's use wash gloves and contaminated clothing.

Storage: This product is a Scheduled Poison. Observe all relevant regulations regarding sale, transport and storage of this schedule of poison. Make sure this product does not come into contact with substances listed as 'Incompatibilities' in Section 10. Store in the closed original container in a cool well ventilated area. Do not store for prolonged periods in direct sunlight. Store in a locked room away from children, animals, food, animal feed, seed and fertilisers.

Section 8 - Exposure Controls and Personal Protection

Exposure Limits TWA (mg/m³) STEL (mg/m³) ADI (mg/Kg/day) NOEL (mg/Kg/day)

Not set

Not set

Exposure limits have not been set for any ingredients in product. The 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. There is a blanket limit of 10mg/m³ for dusts or mists when limits have not otherwise been established. The STEL (Short Term Exposure Limit) is an exposure value that should not be exceeded for more than 15 minutes and should not be repeated for 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.

ADI means Acceptable Daily Intake and NOEL means No-observable-effect-level. Values taken from Australian ADI List, June 2013.

Personal Protection

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

Respiratory equipment: **AS/NZS 1715/1716**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**. 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: No special ventilation requirements are normally necessary for this product. However make sure that the work environment remains clean and that dusts are minimised.

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

Skin Protection: 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: rubber, PVC gloves, impervious overalls.

Respirator: Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned above.

Safety deluge showers should, if practical, be provided near to where this product is being handled commercially.

Section 9 - Physical and Chemical Properties:

Physical Description & colour: White opaque liquid suspension

Odour: Slight odour

Boiling Point: No data

Vapour Pressure: No data

Specific Gravity: 1.08 @ 20°C

Water Solubility: Disperses in water

pH: No data

Volatility: No data

Flash Point: Not flammable

Flammability: Not flammable

Corrosive Hazard: Non corrosive

Section 10 - Stability and Reactivity

Reactivity: This product is stable under normal temperatures and pressures, when stored and handled in accordance with this MSDS

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Conditions to Avoid: This product should be kept in a cool place, preferable below 30C. Keep containers tightly closed. Protect this product from light.

Incompatibilities: No particular materials to avoid.

Fire Decomposition: This product is likely to decompose only after heating to dryness, followed by further strong heating. Combustion forms carbon dioxide and if incomplete carbon monoxide and possibly smoke. Water is also formed. May form nitrogen and its compounds and, under some circumstances, oxides of nitrogen. Occasionally hydrogen cyanide gas in reducing atmospheres. May form oxides of sulphur (sulphur dioxide is a respiratory hazard) and other sulphur compounds. Most will have a foul odour. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgement and unconsciousness followed by coma and death.

Hazardous Reactions: No data available.

Section 11 - Toxicological Information

Inhalation: The acute inhalation toxicity is moderate. Excessive exposure to spray may be harmful. Prolonged exposure to the spray may cause eye and respiratory irritation, dizziness and headaches.

Skin Contact: The acute dermal toxicity is low, however repeated exposure may result in absorption of harmful amounts. Repeated skin contact may cause allergic reactions.

Eye Contact: Moderate eye irritant.

Ingestion: No information is available on possible symptoms.

Chronic Toxicity: Thiamethoxam technical has been extensively tested on laboratory mammals and in test tube systems. The liver and kidney were identified as target organs. No evidence of neurotoxic, mutagenic, teratogenic or reproductive effects was obtained. No carcinogenic potential was noticed in rats. Liver tumors were observed in a carcinogenic study in mice but occurred at dose levels that interfered with normal liver function and is considered to be related to sustained regenerative cell proliferation related to cell death supported by phenobarbital-like enzyme induction. Special studies revealed that thiamethoxam technical acts as an inductor of metabolizing liver enzymes in the mouse. This effect had a clear threshold level and was of a type specific to mice and is not considered relevant to humans.

Acute Toxicity (ai):

Oral Toxicity:	LD ₅₀ 1,563mg/kg (rat)
	LD ₅₀ 783mg/kg (male mouse)
	LD ₅₀ 964mg/kg (female mouse)
Dermal Toxicity:	LD ₅₀ >2000mg/kg (rat)
Inhalation Toxicity:	LD ₅₀ >3,720mg/L (rat)
Sensitisation:	Not a skin sensitiser

Section 12 - Ecological Information

Toxic to fish and aquatic invertebrate. DO NOT contaminate streams, rivers or waterway with this product or the used containers.

Ecotoxicity (Thiamethoxam Technical)

Fish toxicity: **Practically non-toxic to fish.**
LC₅₀ (96hr) *Oncorhynchus mykiss* (rainbow trout): >100mg/L

Invertebrates: **Very highly toxic to certain aquatic invertebrates**
EC₅₀ (48hr) *Daphnia*: >100mg/L

Algae: **Practically non-toxic to algae**
ErC₅₀ (72hr) *Pseudokirchneriella subcapitata* (green algae): >100mg/L

Bees: Highly toxic to bees by contact and oral application. Avoid spraying while bees are foraging.

Environmental Fate: Not persistent in soil. Stable in water. Moderately mobile in soil. Incorporated into C, H, N and O containing organic molecules. No potential for bioaccumulation.

Harmful Effects: Toxic to fish and aquatic invertebrate.

Other Precautions: Do not contaminate dams, waterways or sewers with this product.

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Section 13 - Disposal Considerations

Disposal: This product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used containers. Triple or preferably pressure rinse containers before disposal. Add rinsings to the mixing tank. Do not dispose of undiluted chemical onsite. If recycling, replace cap and return clean containers to recycler or designated collection point. If no recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available bury the containers below 500mm in a disposal pit specifically marked and setup for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt. For help with the collection of unwanted rural chemicals, contact ChemClear 1800 008 182 <http://www.chemclear.com.au/> and for help with the disposal of empty drums, contact DrumMuster <http://www.drummuster.com.au/> where you will find contact details for your area.

Section 14 - Transport Information

Not dangerous according to the Australian Dangerous Goods (ADG) Code.
Dangerous according to IATA and IMDG/IMSBC criteria.

ADG Code: This product is not classified as a Dangerous Good for transport by road or rail

IMDG/IMSBC:

UN No: 3082

IMO Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(contains Thiamethoxam 25%)

IMO Class: 9

Packing Group: III

IMO Marine Pollutant: Marine Pollutant

Section 15 - Regulatory Information

AICS: All of the significant ingredients in this formulation are to be found in the public AICS Database.

Section 16 - Other Information

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

Acronyms:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail	IMDG	International Maritime Dangerous Good
AICS	Australian Inventory of Chemical Substances	IMSBC	International Maritime Solid Bulk Code
CAS number	Chemical Abstracts Service Registry Number	NTP	National Toxicology Program (USA)
Hazchem Number	Emergency action code of numbers and letters that provide information to emergency services especially fire-fighters	SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
IARC	International Agency for Research on Cancer	SWA	Safe Work Australia (formerly ASCC and NOHSC)
IATA	International Air Transport Authority	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 MSDS 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 NOHSC document "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2011(2003)]

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