

# SAFETY DATA SHEET

## SECTION 1

## IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: **Apparent Insect & Spider Spray Insecticide**

**Other Names:** A synthetic pyrethroid pesticide, Group 3A Insecticide.  
**Use:** A liquid broad spectrum domestic use insecticide.  
**Company:** Apparent Pty Ltd.  
**Address:** Suite G.08, 762 Toorak Road, Hawthorn East, Vic. 3123.  
PO Box 3092, Cotham PO, Kew, Vic 3101.  
**ACN/ABN:** 143 724 136.  
**Telephone Number:** 03 9822 1321.  
**Email:** [enquiries@apparentag.com.au](mailto:enquiries@apparentag.com.au)  
**Emergency Contact:** 0411 227 338.

## SECTION 2

## HAZARDS IDENTIFICATION

**Classified as hazardous according to criteria of Safe Work Australia.  
Not classified as a Dangerous Good according to the ADG Code.**

Although classified as a Hazardous substance by Safe Work Australia, there are no risk phrases established.

Not Classified as hazardous according to the Globally Harmonised System (GHS).

## SECTION 3

## COMPOSITION/INFORMATION ON INGREDIENTS

### Ingredients:

<i>CHEMICAL</i>	<i>CAS NUMBER</i>	<i>PROPORTION</i>
Deltamethrin	52918-63-5	10 g/L
Propylene glycol	57-55-6	1 – 10%
Other ingredients (including water) determined not to be hazardous		Balance

## SECTION 4

## FIRST AID MEASURES

### FIRST AID

**Ingestion:** If swallowed do NOT induce vomiting. Wash mouth with water. If poisoning occurs, contact a Doctor or Poisons Information Centre. Phone 131 126. Give plenty of water to drink.

**Eye contact:** Immediately hold eyes open and flood gently with clean water. Ensure irrigation under eyelids by occasionally lifting them. Do not try to remove contact lenses unless trained. If irritation persists, seek medical advice.

**Skin contact:** Remove contaminated clothing. Wash skin with soap and water to remove chemical. If skin is irritated, seek medical advice.

**Inhalation:** Remove to fresh air and observe until recovered. If irritation or symptoms persist more than about 30 minutes, seek medical advice.

**Advice to Doctor:** Deltamethrin is a pyrethroid insecticide and about 1% of the formulation. In cases of skin contact, it has been reported that topical applications of Vitamin E acetate were found to have very high therapeutic value, eliminating almost 100% of the skin pain associated with synthetic pyrethroids.

**SECTION 5****FIRE FIGHTING MEASURES**

**Specific Hazard:** Generally considered a low risk due to the water content, but once the water has evaporated the product is combustible.

**Extinguishing media:** Not combustible. Use extinguishing media suited to burning materials.

**Hazards from combustion products:** There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. This product is likely to decompose only after heating to dryness, followed by further strong heating. Violent steam generation or eruption may occur upon application of direct water stream on hot liquids. Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.

**Precautions for fire-fighters and special protective equipment:** Isolate fire area. Evacuate downwind residents. Wear full protective clothing and self-contained breathing apparatus if risk to of exposure to vapour or smoke. Do not breathe smoke or vapours generated.

**SECTION 6****ACCIDENTAL RELEASE MEASURES**

**Emergency procedures / Material and methods for containment and cleanup procedures:** Extinguish all sources of ignition. Wear cotton overalls buttoned to the neck and wrist, elbow-length PVC gloves and face shield. In the case of spillage, contain and absorb spilled material with absorbent material such as sand, clay, cat litter or material such as vermiculite and dispose of waste as the requirements of Local or State Waste Management Authorities. Wear prescribed protective clothing and equipment. Keep out animals and unprotected persons.

After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. Thoroughly launder protective clothing before storage or re-use

**SECTION 7****HANDLING AND STORAGE**

**Precautions for Safe Handling:** Harmful if swallowed. Facial skin contact may cause temporary facial numbness. Will irritate the eyes, nose and skin. Avoid contact with eyes and skin. Do not inhale spray mist. When opening the container and preparing spray and using the prepared spray, wear cotton overalls buttoned to the neck and wrist, elbow-length PVC gloves and face shield. If product on skin, immediately wash area with soap and water. 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, face shield and contaminated clothing.

**Conditions for Safe Storage:** Store in the closed, original container in a well ventilated area away from children, animals, food, feedstuffs, seed and fertilisers. Do not store for prolonged periods in direct sunlight. Not classified as a Dangerous Good. This product is a Schedule 5 Poison (S5) and must be stored, transported and sold in accordance with the relevant Health Department regulations.

**SECTION 8****EXPOSURE CONTROLS / PERSONAL PROTECTION****Exposure Guidelines:**

Exposure guidelines have not been established for this product by Safe Work Australia. However the following standards may apply:

Atmospheric Contaminant	Exposure Standard (TWA)	STEL (mg/m <sup>3</sup> )
Propylene glycol	474 mg/m <sup>3</sup> (150 ppm)	Not set

TWA = Time-weight Average. STEL = Short Term Exposure Level

Note: This ingredient is at very low levels in this product. It is highly unlikely that this exposure standard would be exceeded using this product.

**Biological Limit Values:**

No biological limit allocated.

**Engineering controls:**

Use in ventilated areas adequate to keep exposure below the TWA. Keep containers closed when not in use.

**SECTION 8****EXPOSURE CONTROLS / PERSONAL PROTECTION****Personal Protective Equipment (PPE):**

General: When opening the container and preparing spray and using the prepared spray wear cotton overalls buttoned to the neck and wrist, elbow-length PVC gloves and faceshield. If product on skin, immediately wash area with soap and water. 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, faceshield and contaminated clothing.

Personal Hygiene: Harmful if swallowed. Facial skin contact may cause temporary facial numbness. Will irritate the eyes, nose and skin. Avoid contact with eyes and skin. Do not inhale spray mist. Clean water should be available for washing in case of eye or skin contamination. Wash skin before eating, drinking or smoking. Shower at the end of the workday.

**SECTION 9****PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	Beige to white coloured liquid.
<b>Odour:</b>	Slight odour.
<b>Boiling point:</b>	No data.
<b>Freezing point:</b>	No data.
<b>Specific Gravity:</b>	No data.
<b>Solubility in Water:</b>	Emulsifies in water.
<b>pH:</b>	No data available.
<b>Flammability:</b>	Not flammable.
<b>Corrosive hazard:</b>	Not corrosive.
<b>Flashpoint (°C):</b>	Not flammable.
<b>Poisons Schedule:</b>	This product is a Schedule 5 (S5) poison.
<b>Formulation type:</b>	Suspension Concentrate (SC).

**SECTION 10****STABILITY AND REACTIVITY**

**Chemical Stability:** Product is considered stable in ambient conditions for a period of at least 2 years after manufacture.

**Conditions to avoid:** Do not store for prolonged periods in direct sunlight. Avoid alkaline materials.

**Incompatible materials:** Avoid strong acids, bases and oxidizing agents.

**Hazardous decomposition products:** This product is likely to decompose only after heating to dryness, followed by further strong heating. Toxic and noxious fumes will then be released.

**Hazardous reactions:** No particular reactions to avoid.

**SECTION 11****TOXICOLOGICAL INFORMATION**

No specific data is available for this product as no toxicity tests have been conducted on this product. Information presented is our best judgement based on similar products and/or individual components. As with all products for which limited data is available, caution must be exercised through the use of protective equipment and handling procedures to minimise exposure. This formulation contains aromatic hydrocarbons.

Inhalation of aromatic hydrocarbon vapours may cause central nervous system depression, dizziness, disturbances in vision and respiratory irritation. Moderately irritating to the eyes. Contact with the skin may be irritating.

**Potential Health Effects:****ACUTE EFFECTS**

**Swallowed:** Calculated toxicity is low with LD<sub>50</sub> > 10000 mg/kg.

**Eye:** This product may be severely irritating to the eyes. Avoid eye contact.

**Skin:** This product may be irritating to the skin and may be sensitising. Contact with the skin, especially the face, may result in initial stinging, burning or tingling sensations.

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**SECTION 11 TOXICOLOGICAL INFORMATION (Continued)**

**Inhaled:** Inhalation of mists or sprays may produce transient respiratory irritation.

**Long Term Exposure:** Deltamethrin is not mutagenic, carcinogenic or teratogenic.

Elimination of deltamethrin in the rat occurs within 2-4 days of administration. Deltamethrin has a half-life in the rat brain of 1 to 2 days, but it is more persistent in body fat, with a half-life of 5 days. In mammals, the point of death from deltamethrin poisoning is sharply defined by respiratory or cardiac failure. A health survey of 199 workers who repacked pyrethroid insecticides into boxes by hand indicated that about two-thirds of the workers had a burning sensation and tightness and numbness on the face, while one-third had sniffs and sneezes. Abnormal sensations in the face, dizziness, tiredness and red rashes on the skin were more common in summer than in winter. Workers did not wear protective gloves in summer because of the heat. The symptoms usually occurred thirty minutes after exposure to the pyrethroids and rarely lasted more than 24 hours

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**SECTION 12 ECOLOGICAL INFORMATION**

**Environmental Toxicology:** No data is available on this product. Deltamethrin is highly toxic to fish, aquatic organisms and bees in laboratory studies, but considered less toxic under natural conditions. In field conditions under normal conditions of use, deltamethrin had an impact on aquatic herbivorous insects. This impact led to an increase of algae. Although the fish (fathead minnows) accumulated deltamethrin, no mortality could be observed. In laboratory trials, the LC<sub>50</sub> for fish was 1-10 micrograms/L. Aquatic fauna, particularly crustacean, may be affected, but fish are not harmed under normal conditions of use. Dangerous to bees. DO NOT spray on any plants in flower while bees are foraging.

**Environmental Fate:** Deltamethrin is not persistent in the environment. It is degraded by soil micro-organisms and does not leave residues in the environment or build up in the food chain. In soil, degradation occurs within 1-2 weeks. Deltamethrin in pond water was rapidly adsorbed, mostly by sediment, in addition to uptake by plants and evaporation into the air. About 10 days after use, there are no deltamethrin residues observed on plants. There is no known phytotoxicity to crops.

DO NOT contaminate streams, rivers or waterways with this product or the used containers.

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**SECTION 13 DISPOSAL CONSIDERATIONS**

**Spills and Disposal:** Persons involved in cleanup require adequate skin protection - see Section 8. In case of spillage, contain and absorb spilled material with absorbent material such as clay, sand or cat litter and dispose of waste in accordance to the Australian Standard 2507- Storage and Handling of Pesticides. Keep out animals and unprotected persons. Keep material out of streams and sewers. Vacuum, shovel or pump waste into an approved drum. To decontaminate spill area, tools and equipment, wash with detergent and water and add the solution to the drums of wastes already collected and label contents. Dispose of drummed wastes, including decontamination solution in accordance with the requirements of Local or State Waste Management Authorities.

**Disposal of empty containers:** Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on site. If recycling, replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush, or puncture and deliver empty packaging for appropriate disposal to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots, in compliance with relevant Local, State or Territory government regulations. DO NOT cut or burn empty containers or product.

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**SECTION 14 TRANSPORT INFORMATION**

**Road & Rail Transport:** This product is not classified as a Dangerous Goods under the Australian Code for the Transport of Dangerous Goods by Road and Rail in containers less than 3000 litres. Bulk shipments should use UN 3082, as per Marine and Air transport.

**SECTION 14** TRANSPORT INFORMATION (continued)

**Marine and Air Transport:** Apparent Insect & Spider Spray Insecticide is a Marine Pollutant according to International Maritime Dangerous Goods (IMDG) Code and the International Air Transport Association (IATA). If transporting by sea or air the following Dangerous Goods Classification applies:- UN 3082, Class 9 (Miscellaneous Dangerous Goods), Packing Group III, Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains Deltamethrin). Hazchem ●3Z. Hazard Identification Number (HIN) 90.

**SECTION 15** REGULATORY INFORMATION

Under the Standard for Uniform Scheduling of Medicines and Poisons (SUSMP) this product is a Schedule 5 poison.

This product is registered under the Agricultural and Veterinary Chemicals Code Act 1994. Product Registration No. 68748.

This product is classified as a Hazardous Substance under the criteria of Safe Work Australia.

This product is not classified as a Dangerous Good according to the ADG Code (7<sup>th</sup> Ed).

This product is classified as a Dangerous Good according to International Maritime Dangerous Goods (IMDG) Code and the International Air Transport Association (IATA).

**Requirements concerning special training:**

Check State or Territory regulations that require people who use pesticides in their job or business to have training in the application of the materials.

**SECTION 16** OTHER INFORMATION

Issue Date: 31 March 2016. Valid for 5 years till 31 March 2021. (Revised to GHS).

Key to abbreviations and acronyms used in this SDS:

ADG Code	Australian Dangerous Goods Code (for the transport of dangerous goods by Road and Rail).
Carcinogen	An agent which is responsible for the formation of a cancer.
Genotoxic	Capable of causing damage to genetic material, such as DNA.
HSIS	Hazardous Substances information System.
Lacrimation	The production, secretion, and shedding of tears.
Lavage	A general term referring to cleaning or rinsing.
Mutagen	An agent capable of producing a mutation.
Pneumonitis	A general term that refers to inflammation of lung tissue.
PPE	Personal protective equipment.
Teratogen	An agent capable of causing abnormalities in a developing foetus.
TWA	The Time Weighted Average airborne concentration over an eight-hour working day, for a five day working week over an entire working life.
Safe Work Australia:	Formally known as Australian Safety & Compensation Council (ASCC) which was formally known as the National Occupational Health & Safety Commission (NOHSC).

## References

1. "Search Hazardous Substances". HSIS. Safe Work Australia website. (2016).
2. "Approved Criteria for Classifying Hazardous Substances" 3rd Ed. NOHSC Australia. [NOHSC:1008 (2004)]. October 2004.
3. Globally Harmonized System of Classification and Labelling of Chemicals (GHS). United Nations, 2009.

*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 should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.*

*If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.*

End SDS.