



AGRO-ALLIANCE (AUSTRALIA) PTY LTD

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(AUSTRALIA) PTY LTD
A.B.N.11 130 864 603

2, Mavron Street, Ashwood ,VIC 3147, Australia
Tel: +61 3 86442677 / 86442679 Fax: +61 3 98073883 Email: info@agroalliance.com.au

Section 1 - Identification of Chemical Product and Company

Propiconazole 250 EC Fungicide

Trade Name: Agro-Essence Propiconazole 250 Fungicide
Product Use: A selective agricultural emulsifiable concentrate herbicide
Company: Agro-Alliance (Australia) Pty Ltd.
Address: 2, Mavron Street, Ashwood VIC 3147, Australia
Telephone Number: +61 03 86442677 / 86442679
Fax Number: +61 03 98073883
Website: www.agroalliance.com.au

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Section 2 - Hazards Identification

HAZARDOUS SUBSTANCE. NON DANGEROUS GOODS.

Classified as hazardous according to the criteria of ASCC.

Hazards Xn – Harmful

Risk Phrases R22 - Harmful if swallowed.

Safety Phrases S2 - Keep out of reach of children.

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection..

Section 3 - Composition/Information on Ingredients

Ingredients:

CHEMICAL	CAS NUMBER	PROPORTION
Propiconazole	60207-90-1	25%
Liquid hydrocarbon Proprietary		To 100%

Section 4 - First Aid Measures

Inhalation If inhaled remove victim to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Seek



immediate medical attention.

Ingestion Immediately rinse mouth with water. If swallowed, do not induce vomiting. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Skin If skin or hair contact occurs, immediately remove contaminated clothing and wash skin and hair thoroughly. Seek medical attention if symptoms persist.

Eyes If in eyes, hold eyelids apart and flush the eye continuously with large amounts of water for at least 15 minutes. Seek medical attention if symptoms persist.

Section 5 - Fire Fighting Measures

For major fires call the Fire Brigade. Ensure that an escape path is available from any fire.

Suitable Extinguishing Media

Carbon dioxide, dry chemical, foam or water fog.

Hazardous Combustion Products

Carbon dioxide, carbon monoxide and smoke.

Firefighting Equipment

Recommended use of self contained breathing apparatus and full protective equipment.

Unusual Fire or Explosion Hazards

This product is classified as a C1 – combustible product.

There is a moderate risk of an explosion if this product is involved in fire. Hazchem Code Not allocated.

Section 6 - Accidental Release Measures

Spills In the event of a major spill, prevent spillage from entering drains or water courses. Wear full protective clothing including eye/face protection. Stop leak if safe to do so, and contain spill. Absorb onto sand, clay or other suitable absorbent material. Sweep up and shovel or collect recoverable product into labelled containers for disposal.

Launder protective clothing before storage or re-use.



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Section 7 - Handling and Storage

Handling Exercise normal care in handling. Avoid unnecessary skin and eye contact.

Storage Store in the closed, original container in a dry, well ventilated area, as cool as possible. Do not store for prolonged periods in direct sunlight. Keep container tightly sealed.

Section 8 - Exposure Controls and Personal Protection

Exposure Standards (ASCC) No exposure standards set.

Engineering Controls Use local exhaust ventilation.

Respiratory Protection Respiratory protection not necessary. Avoid working in and breathing spray mist.

Eye Protection Wear safety glasses with side shields (or goggles) and a face shield.

Skin Protection Wear protective gloves and protective clothing.

Hygienic Practices Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Section 9 - Physical and Chemical Properties:

Appearance Clear yellow-amber liquid

Odour Hydrocarbon odour

Solubility in water Completely soluble

Boiling Point No information available

Freezing Point No information available

Vapour Pressure No information available

Vapour Density (Air = 1) No information available

Specific Gravity ~1.0

Flash Point (closed cup) No information available

Flammable Limit – Lower Not applicable

Flammable Limit – Upper Not applicable



Section 10 - Stability and Reactivity

Chemical Stability Stable under normal storage conditions.

Incompatible Materials Strong oxidising agents.

Hazardous Decomposition Products Carbon dioxide, carbon monoxide and smoke.

Hazardous Polymerization Will not occur.

Conditions to Avoid No information available.

Section 11 - Toxicological Information

Toxicity

Acute oral LD50 (Rat) = 1517 mg/kg

Acute oral LD50 (Mouse) = 1419 mg/kg

Acute dermal LD50 (Rabbit) >6000 mg/kg

Acute dermal LD50 (Rat) >4000 mg/kg

Inhalation -LC50 (Rat) > 5800 mg/m³ - 4 hours

Routes of Exposure Inhalation, ingestion, eye and skin

Health effects from likely routes of exposure

Inhalation: May cause irritation to upper respiratory tract, increased secretion of mucous in the nose and throat and headache.

Ingestion: Harmful if swallowed. May cause burning sensation and reddening of skin in mouth and throat.

Eye: Can cause irritation with reddening and watering

Skin: Can cause irritation with itchiness and reddening

Effects of Overexposure No information available.

Existing Conditions No information available.

Aggravated by Exposure Carcinogenicity No (ASCC, NTP, IARC)

Section 12 - Ecological Information

Ecotoxicity

Aquatic Organisms:

Algae EC50 = 0.02-13.6mg/L

LC50 (Rainbow trout) = 5.3 mg/L



LC50 (Carp) = 6.8 mg/L

LC50 (Golden orfe) = 5.1mg/L

Birds:

LD50 (Japanese quail) = 2223 mg/kg

LD50 (Mallard duck) > 2510 mg/kg

LD50 (Bobwhite quail) > 2825 mg/kg

Other Animals:

Propiconazole is non-toxic to bees.

Mobility Estimated half-life in the soil: 110 days

Section 13 - Disposal Considerations

Spills and Disposal:

1. After Spill or accident:

Clear area of all unprotected personnel. Wear full protective clothing and equipment including chemical resistant butyl rubber gloves (see section 8). Dispose of drummed waste and decontamination solution in accordance with the requirements of Local Authorities or State Waste Management Authorities. Do not cut or weld metal containers. Prevent spill from spreading or entering waterways, sewers or underground drains.

2. Disposal of empty containers after intended use:

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 burn, cut or saw empty containers, as there is the possibility that fumes inside the container maybe ignited and cause the container to explode.

Section 14 - Transport Information

Not classified as a dangerous good according to the Australian Code for the



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Transport of Dangerous goods by road or rail.

UN Number Not applicable

Proper Shipping Name Not applicable

Dangerous Goods Class Not applicable

Hazchem Code Not applicable

Packing Group Not applicable

Special Precautions Not applicable

Section 15 - Regulatory Information

Propiconazole is listed in the Australian Inventory of Chemical Substances (AICS).

SUSDP Classification: S6

Section 16 - Other Information

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

THIS MSDS 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 MSDS is prepared in accord with the ASCC document "National Code of Practice for the Preparation of Material Safety Data Sheets" 2nd Edition [NOHSC:2001(2003)]