

1: Identification of the Substance and Supplier

Product Name PROHIVE
Recommended Use Insecticide

Suppliers Details Orion AgriScience Ltd

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 Web Address
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 Email Address
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Telephone Number (03) 928 2386 (office hours), 0800 674 6627 (free phone)

 Emergency Telephone
 0800 CHEMCALL (0800 243 622) (24 hours)

 National Poison Centre
 0800 POISON (0800 764 766) (24 hours)

Date of Issue/Revision March 2025

2: Hazards Identification

Hazard Pictograms

Signal Words

Acute Oral Toxicity (Cat. 3)

Acute Inhalation Toxicity (Cat. 4)

Eye Irritation (Cat. 2)

Hazard Classes:

Skin Sensitisation (Cat. 1)

Specific Target Organ Toxicity single and repeated (Cat. 2)

Hazardous to the aquatic environment Acute (Cat. 1)

Hazardous to the aquatic environment chronic (Cat. 1)

Hazardous to terrestrial vertebrates Hazardous to terrestrial invertebrate

Precautionary Statements:

Prevention



Danger

Hazard Statements:

H301 Toxic if swallowed

H332 Harmful if inhaled

H319 Causes serious eye irritation

H317 May cause an allergic skin reaction

H373 May cause damage to organs through prolonged or repeated exposure

H400 Very toxic to aquatic life

H410 Very toxic to aquatic life with long lasting effects

H431 Very toxic to terrestrial vertebrates

H442 Toxic to terrestrial invertebrates

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

P102 Keep out of reach of children

P103 Read carefully and follow all instructions

P264 Wash hands thoroughly after handling

P270 Do not eat, drink or smoke when using this product

P271 Use only outdoors or in a well ventilated area

P273 Avoid release to the environment

P280 Wear eye protection / face protection

P272 Contaminated work clothing should not be allowed out of the workplace

P280 Wear protective gloves

P260 Do not breathe dust/fume/gas/mist/vapours/spray

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Response



Avoid contact with eyes and skin. Do not breathe in the dust or spray mist. When mixing or applying, wear personal protection as described in section 8. Take all reasonable steps to ensure that this product does not cause any significant adverse effects to the environment beyond the application area. This product is toxic to bees. Do not apply this substance to plants if bees are foraging, or the plants are in flower or part flower, and are likely to be visited by non-target invertebrate pollinators (including bees). Do not apply directly into or onto water.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTRE/doctor

P330 Rinse mouth

P321 Specific treatment (Refer section 4)

P304+P340 IF INHALED: Move person to fresh air and keep comfortable for

breathing

P312 Call a POISON CENTRE/doctor if you feel unwell

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

P337+P313 If eye irritation persists: Get medical advice/attention

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

P333+P313 If skin irritation or rash occurs: Get medical advice/attention P362+P364 Take off contaminated clothing and wash it before reuse

P391 Collect spillage

First aid measures described in section 4. Contain and collect spillage for disposal. In an emergency call 111, Police or Fire Brigade. For specialist advice in an

emergency only, call 0800 CHEMCALL (0800 243 6225) (24 hrs).

Storage P405 Store locked up

Keep out of reach of children.

Disposal P501 Dispose of contents by using it in accordance with this label. Dispose of the

container via AgRecovery after triple rinsing (use the rinsate for spraying).

3: Composition/Information on Ingredients

Ingredient CAS No Content (% w/w)

Pirimicarb (active ingredient) 23103-98-2

Other ingredients Proprietary Remainder

4: First Aid Measures

If medical advice is needed, have product container or label at hand. For advice call the National Poisons Centre or a Doctor

Ingestion: Rinse mouth. Seek medical advice immediately

Skin Contact: Wash with plenty of soap and water. Seek medical advice if feeling unwell, or if skin irritation or rash

occurs

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if easy to do so. Continue rinsing.

Seek medical advice if irritation persists.

Inhalation: Remove to fresh air and keep at rest in a position comfortable for breathing. Seek medical advice if feeling

unwell.

Workplace Facilities: Hand wash facility. Eye wash facility

Advice to Doctor: Prohive is a carbamate insecticide, which inhibits cholinesterase activity, and interferes in nerve pulse

transmission. On set of symptoms may be delayed for several hours. Atropine is the specific antidote and may be given immediately by qualified staff, at a level of 2 - 4mg (intravenously or intramuscularly), every 15 minutes until atropinisation occurs. Cholinesterase reactivators (Pralidoxime) are of limited value and

may be harmful. Following ingestion, adsorbents such as charcoal may be of value.

National Poison Centre 0800 POISON (0800 764 766) (24 hours)

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Symptoms of Exposure which could occur if this material is not handled in accordance with instructions:

Ingestion: Excessive sweating, salivation, headache, weakness, nausea, diarrhoea, vomiting, small pupils, blurred vision,

muscle twitching, slurred speech.

Skin Contact: Irritation. Contact may induce an allergic response in susceptible individuals. Can be absorbed via the skin

(see symptoms under 'swallowed' above).

Eye Contact: Irritation. May cause constriction of the pupil

Inhalation: Irritation. Can be absorbed via the lungs (see symptoms under 'swallowed' above).

Note: Symptoms may be delayed for up to 24 hours or more following exposure

5: Fire-Fighting Measures

Fire/Explosion Hazard Non-flammable. As with many dusts, an explosive air/dust mixture may be formed if rough handling

liberates dust from the granules in enclosed or poorly ventilated areas.

HAZCHEM Code 2X ERP Guide No 47

Extinguishing Media Water spray, foam, dry chemical or C02. Avoid water jet.

Fire Fighting Instructions During a fire, toxic fumes may be emitted. Wear self-contained breathing apparatus. Contain runoff.

Specific Hazards Arising from Fire No data available

6: Accidental Release Measures

Personal Precautions Wear protective clothing as described in section 8. Do not inhale dust. Exclude non-essential people from

the area.

Environmental Precautions Prevent further spillage or leakage. Prevent material from entering drains, waterways, etc.

Clean Up Keep bystanders away. Do not inhale dust. If dust is generated, wear respiratory protection (with organic

vapour cartridge). Moisten to prevent dusting and carefully sweep up. Place spilled product in a sealable

container. Dispose of to a suitable landfill.

7: Handling and Storage

Handling and Use:

Storage: Keep out of reach of children. Store in the original tightly closed container in a locked and secure area.

Keep out of reach of children. Refer to Prevention statements in section 2 above. Keep people and animals

away from the area while spraying and for the duration of the REI.

REI RESTRICTED ENTRY INTERVAL (REI)

The person in charge is responsible for making sure that no person enters an application area until the end of the REI unless they are wearing the appropriate personal protective equipment. For indoor applications signs must be put outside the application area, at every routine point of entry from the start

of application to the end of the REI

Apples 8 days Stonefruit 3 days

8: Exposure Controls / Personal Protection

Tolerable Exposure Limit

None established

Workplace Exposure Standards

None established

Engineering ControlsSelect application equipment to minimize exposure to operator and bystanders

Personal Protection:

The following Standards provide general advice regarding safety clothing and equipment: Respiratory equipment: AS/NZS 1715, Protective Gloves: AS 2161, Occupational Protective Clothing: AS/NZS 4501, Industrial Eye Protection: AS1336 and AS/NZS 1337, Occupational

Protective Footwear: AS/NZS2210.

Eye Safety glasses/goggles (or full face respirator incorporating visor) when mixing or applying

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Skin Chemical resistant coveralls with hood tightly fitting at head, wrists and ankles (e.g., Tychem F suit),

chemical resistant boots and chemical resistant gloves (barrier multilayer, nitrile, neoprene, butyl).

Respiratory Not required where dust or spray mist is not inhaled. Otherwise, respirator (organic vapour and particulate

matter) is required.

Clean protective equipment after use

9: Physical and Chemical Properties

AppearanceGrey granulesOdourPungentOdour ThresholdDoes not apply

pH Does not apply
 Melting Point/Freezing Point Does not apply
 Boiling Point Does not apply
 Flash Point Does not apply
 Flammability Not flammable

Upper/Lower Flammability Limits Does not apply. As with many dusts, an explosive air/dust mixture may be formed if rough handling

liberates dust in enclosed or poorly ventilated areas

Vapour Pressure Does not apply **Vapour Density** Does not apply **Relative Density** Does not apply Solubility in Water Dispersible Partition Coefficient: n-octanol/water See section 12 **Auto ignition Temperature** Does not apply **Decomposition Temperature** Does not apply **Kinematic Viscosity** Does not apply Particle characteristic Does not apply

10: Stability and Reactivity

Stability Stable under normal conditions

Hazardous Reactions None Expected

Incompatibility Do not mix with fertilizers

Hazardous Decomposition Products None Known

11: Toxicological Information

This section describes effects which could occur if this material is not handled in accordance with this data sheet and label instructions

Acute Oral Toxicity

Acute Dermal Toxicity

Acute Inhalation Toxicity

LD50 > 50 mg/kg

LD50 > 5000 mg/kg

LD50 > 1 mg/L

Skin corrosion/irritation Irritation
Serious eye damage/Eye irritation Irritation

Respiratory or skin sensitisation May cause an allergic skin reaction in susceptible individuals

Germ cell mutagenicity

Carcinogenicity

Information not available
Information not available
Information not available
Information not available
Specific Organ Toxicity – Single
Information not available

exposure

Specific Organ Toxicity – RepeatedPirimicarb is a carbamate, and interferes with cholinesterase, an enzyme essential for the correct

exposure functioning of the nervous system.

Aspiration hazard Information not available

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12: Ecological Information

This section describes effects which could occur if this material is not handled in accordance with this data sheet and label instructions

The following information is presented in respect of the active ingredient:

Ecotoxicity

- Acute Oral LD50 (Bobwhite quail) 21 mg/kg
- LC50 (96 hr) (Rainbow trout) 79 mg/l
- LC50 (48 hr) (Daphnia) 0.017 mg/l
- Algae EC50 (96 hr) 140 mg/l
- Acute Oral LD50 (Bee) 4 μg/bee

Persistence/degradability Biodegradable DT50 (soil) 73 days (typical)

Bioaccumulative Potential Octanol-water partition coefficient

Soil Mobility Soil organic carbon water partitioning coefficient

Environmental Exposure Limit: None established

2 : 50 (50...) 15 days (typical)

LogP = 1.7 (low)

No data available

13: Disposal Considerations

Product

Dispose of product by using it in accordance with the label. Waste product should be disposed of to a

suitable landfill. For disposal of large quantities contact Orion AgriScience Ltd.

Container

Dispose of to a suitable landfill or via AgRecovery. Do not burn. Do not use packaging for any other

purpose.

14: Transport Information

Dangerous Goods

UN Number 2757

Proper Shipping Name CARBAMATE PESTICIDE, SOLID, TOXIC (PIRIMICARB 50%)

Class 6.1
Subsidiary Class None
Packing Group

Additional Information MARINE POLLUTANT

MTQ (Non-Commercial) 250 Kg

Passenger Service Vehicle 3 Kg maximum

15 Regulatory Information

EPA Approval No

ACVM Registration No

P5948

Qualified Person

Certified Handler

Workplace Only

HSR000703

P5948

Required

Not required

Yes

Tracking Not required

Record Keeping Required. Mitigation measures must be recorded as part of the application records

Site Requirements under EPA Notice

and HSWHS Regs:

- A hazardous substance location compliance certificate is required
- A hazardous area is not required
- Separation distances for class 3 and class 6 substances to protected places and public places is applicable
- Fire extinguishers are not required
- Signage is required for more than 100 Kg
- An emergency response plan is required for more than 100 Kg
- Secondary containment is required for more than 100 Kg
- Segregation from incompatible substances (Classes 1 and 5) is required

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Additional Requirements

Refer to NZS 8409:2004 'Management of Agrichemicals', and relevant local and regional council plans

24 March 2025 Acceptable Daily Exposure – A daily dose, received via any route, below which no adverse effects are expected over a lifetime of exposure
expected over a lifetime of exposure
expected over a lifetime of exposure
Agricultural Compounds and Veterinary Medicines group of the Ministry of Primary Industries
GHS category
A concentration that should not be exceeded at any time during any part of the working day
A qualification issued by a Compliance Certifier to handle and use particularly toxic substances (6.1A and
6.1B)
Time (days) for 50% reduction in concentration
Concentration required to produce an effect in 50% of organisms
Maximum concentration limit of a substance in an environmental medium, e.g., water, soil.
Hazardous Property Controls Notice 2017
Dangerous Goods – Initial Emergency Response Guide SNZ HB 76:2008
Globally harmonized system of classification and labelling of chemicals
For locations storing hazard substances of certain classes above threshold quantities
A designated area designed for the presence of flammable substances - Refer AS/NZS 60079.10.1:2009
Emergency action code for emergency services
Health and Safety at Work (Hazardous Substances) Regulations 2017
Concentration that will kill 50% of organisms
Dose that will kill 50% or organisms
Maximum Transport Quantity. The maximum amount of dangerous goods that can be transported by roa
by the user
Advance notice given to neighbours and other affected parties, of details of proposed application, and
other details as described
The partition coefficient of a substance between n-octanol and water, used as the Logarithm base 10
form, as an indicator that a substance may bioaccumulate
Permitted Daily Exposure - A daily dose below which no adverse effects are expected over a lifetime of
exposure
Residential properties, schools, hospitals, kindys, factories, shops, warehouses, etc., and other places where
people assemble
A place frequented by the public, including roads (does not include private property)
A requirement for the loader, contractor or person applying the product to hold a qualification such as a
GROWSAFE Certificate, Unit Standard 21563, etc.
Includes a spray diary or other record of application
Restricted Entry Interval – The length of time after application before entry into the treated area is
permitted without the use of protective equipment. For indoor environments, this time period commence
once ventilation after treatment begins.
Certain classes of substances must not be in contact with, and must be stored separately from, certain
other classes as specified in HSWHS Regs

The distances specified in Part 11 and Part 13 of HSWHS Regs between storage and/or use of hazardous

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Separation Distances



substances and protected places and/or public places

Signage Positioned at entrances to commercial premises providing information on the hazardous substances

present

Soil Adsorption Coefficient (Kd)

The ratio of the concentrations of a substance adsorbed onto a solid sorbent to that dissolved in a liquid

phase. The higher the value the less mobile the chemical is in soil

Soil Organic Carbon-WaterThe ratio of the mass of a chemical that is adsorbed in the soil per unit mass of organic carbon in the

Partitioning Coefficient (Koc) soil. The higher the value the less mobile the chemical is in soil

STEL Short term exposure level – 15 minute time weighted average

Tolerable Exposure LimitMaximum concentration limit of a substance above which persons must not be exposed

Tracking For some particularly hazardous substances, a record must be kept of the transport, storage, sale and use

of the product

TWA Time weighted average calculated over an 8 hour working day

Workplace Exposure Standard An occupational health standard limiting concentrations of specified substances to which persons are

exposed

Workplace Only

A product that is restricted to a workplace only and under the supervision of a certified handler

Please Note

Users must ensure that the most up to date version of this safety data sheet is used.

This Safety Data Sheet summarises information on this product, and how to safely handle and use the product. Each user should familiarise themselves with the product label and Safety Data Sheet, and consider the information in the context of how the product will be handled and used, including in conjunction with other products. Orion AgriScience Ltd assumes no responsibility for the accuracy, completeness or suitability of this information. The user is responsible for determining the suitability and accuracy of this information for their particular purposes.

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

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