

1: Identification of the Substance and Supplier

Product Name KANDO
Recommended Use Fungicide

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

Hazard Classes:

Hazardous to the Aquatic Environment Acute (Cat. 1) Hazardous to the Aquatic Environment Chronic (Cat. 1)

Hazardous to Soil Organisms

Precautionary Statements:

Prevention

Response

Warning

Hazard Statements:

H400 Very toxic to aquatic life

H410 Very toxic to aquatic life with long lasting effects

H422 Toxic to the soil environment

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

P273 Avoid release to the environment

Read label before use. Avoid contact with eyes and skin. Do not breathe in the spray mist. Wash hands thoroughly after use. 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. Do not apply directly into or onto water.

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 Store in the original tightly closed container in a secure area

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

IngredientCAS NoContent (% w/v)Picoxystrobin117428-22-5251,2-Ethanediol107-21-1<1</td>Other ingredientsProprietaryRemainder

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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: Seek medical advice if feeling unwell.

Skin Contact: Wash with plenty of soap and water. Seek medical advice if irritation 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

Workplace Facilities: Hand wash facility. Eye wash facility

Advice to Doctor: No specific antidote. Treat symptomatically

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

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

Ingestion:Not availableSkin Contact:Not availableEye Contact:Not availableInhalation:Not available

5: Fire-Fighting Measures

Fire/Explosion Hazard Non-Flammable

HAZCHEM Code 3Z ERP Guide No 171/47

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 Caution: exclude non-essential people from the area. Floors may be slippery if wet. Wear personal

protective clothing and equipment as described in section 8. Exclude non-essential people from the area.

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

Clean Up Absorb spillage with inert material such as spill kit, sand or cat litter. Collect and place in a sealable

container for disposal. Wash down affected area with water and detergent. Absorb and collect washings for

disposal. Dispose of safely to a suitable landfill.

7: Handling and Storage

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

Handling and Use: Refer to Prevention statements in section 2 above. Exclude people and animals from the application area,

both during application and for the duration of the REI.

REI Until spray has dried

8: Exposure Controls / Personal Protection

Tolerable Exposure Limit None established

Workplace Exposure Standards None established for product. 1,2-Ethanediol (vapour/mist) 50 ppm / 127 mg/m3 ceiling

Engineering ControlsSelect spray 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 when mixing or applying

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SkinCotton overalls snugly fitting at the neck, wrist and ankle, boots and waterproof gloves when mixing and

applying

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

is required.

Clean protective equipment after use

9: Physical and Chemical Properties

Appearance White liquid
Odour Slight

Odour ThresholdDoes not applypH5 - 7 (1% solution)

Melting Point/Freezing Point <0°C Boiling Point >100°C

Flash Point
Does not apply
Flammability
Does not apply
Upper/Lower Flammability Limits
Does not apply
Vapour Pressure
Does not apply
Vapour Density
Relative Density
Does not apply
1.10 g/mL (approx.)

Solubility in Water
Partition Coefficient: n-octanol/water
Auto ignition Temperature
Does not apply
Decomposition Temperature
Does not apply
Kinematic Viscosity
Does not apply
Particle characteristics
Dispersible
See section 12
Does not apply
Does not apply
Does not apply

10: Stability and Reactivity

Stability Stable under normal conditions

Hazardous ReactionsNone ExpectedIncompatibilityStrong acid or bases

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 ToxicityLD50 > 5000 mg/kgAcute Dermal ToxicityLD50 > 5000 mg/kgAcute Inhalation ToxicityLD50 > 5 mg/L

Skin corrosion/irritation

Serious eye damage/Eye irritation

Respiratory or skin sensitisation

Germ cell mutagenicity

Carcinogenicity

Reproductive Toxicity

Specific Organ Toxicity – Single

Information not available

Information not available

Information not available

Information not available

exposure

Specific Organ Toxicity – Repeated Information not available

exposure

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 fol	lowina	information	is presented	l in respect	of the	active	inaredient	ă

• Acute Oral LD50 (Rat) >5000 mg/kg

• LC50 (96 hr) (Rainbow trout) 0.075 mg/l

EC50 (48 hr) (Daphnia) 0.024 mg/l

EC50 (72 hr) (Algae) 0.26 mg/l

• Non toxic to bees

Persistence/degradability Biodegradable. DT50 (soil) 24 days (typical)

Bioaccumulative Potential Octanol-water partition coefficient LoqP = 3.6 (high)

Soil Mobility Soil organic carbon water partitioning coefficient Koc = 965 (slightly mobile)

Environmental Exposure Limit: EEL Water (picoxystrobin) 0.8 μg/L. EEL Soil (picoxystrobin) 1 μg/L

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 3082

Proper Shipping Name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (PICOXYSTROBIN 25%)

Class

Subsidiary Class None

Packing Group

Additional Information MARINE POLLUTANT

MTQ (Non-Commercial) 1000 litres

Passenger Service Vehicle No restriction

15 Regulatory Information

EPA Approval No

ACVM Registration No

P9855

Qualified Person

Certified Handler

Not required

Not required

Workplace Only No

Tracking Not required

Record Keeping Not rec

Site Requirements under EPA Notice

and HSWHS Regs:

Not required (unless > 3 L applied within 24 hours, and which is likely to leave the application area)

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

Additional Requirements Refer to NZS 8409:2021 'Management of Agrichemicals', and relevant local and regional council plans

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16: Other Information

SDS review date

20 March 2025

Glossary

ADE Acceptable Daily Exposure – A daily dose, received via any route, below which no adverse effects are

expected over a lifetime of exposure

ACVM Agricultural Compounds and Veterinary Medicines group of the Ministry of Primary Industries

Cat. GHS category

Ceiling A concentration that should not be exceeded at any time during any part of the working day

Certified Handler A qualification issued by a Compliance Certifier to handle and use particularly toxic substances (Acute

Toxicity Category 1 or 2 – Oral, Dermal or Inhalation)

DT50 Time (days) for 50% reduction in concentration

EC50 Concentration required to produce an effect in 50% of organisms

EEL Environmental Exposure Limit

Environmental Exposure Limit Maximum concentration limit of a substance in an environmental medium, e.g., water, soil.

EPA Notice Hazardous Property Controls Notice 2017

ER Guide Australian and New Zealand Emergency Response Guide Book

GHS Globally harmonized system of classification and labelling of chemicals

Hazardous Substance Location For locations storing hazard substances of certain classes above threshold quantities

Compliance Certificate

Hazardous Area A designated area designed for the presence of flammable substances - Refer AS/NZS 60079.10.1:2009

HAZCHEM Code Emergency action code for emergency services

HSHPC NoticeHazardous Substances (Hazardous Property Controls) Notice 2017HSWHS RegsHealth and Safety at Work (Hazardous Substances) Regulations 2017

LC50 Concentration that will kill 50% of organisms

LD50 Dose that will kill 50% or organisms

MTQ Maximum Transport Quantity. The maximum amount of dangerous goods that can be transported by road

by the user

Notification Advance notice given to neighbours and other affected parties, of details of proposed application, and

other details as described

Octanol-Water Partition Coefficient 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

PDE Permitted Daily Exposure - A daily dose below which no adverse effects are expected over a lifetime of

exposure

Protected Place Residential properties, schools, hospitals, kindys, factories, shops, warehouses, etc., and other places where

people assemble

Public Place A place frequented by the public, including roads (does not include private property)

Qualified PersonA requirement for the loader, contractor or person applying the product to hold a qualification such as a

GROWSAFE Certificate, Unit Standard 21563, etc.

Record Keeping Includes a spray diary or other record of application

REI 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 commences

once ventilation after treatment begins.

Segregation Certain classes of substances must not be in contact with, and must be stored separately from, certain

other classes as specified in HSWHS Regs and the HSHPC Notice

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

substances and protected places and/or public places of certain classes above threshold quantities

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

resent

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 soil.

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

Short term exposure level – 15 minute time weighted average

Tolerable Exposure Limit Maximum 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 StandardAn occupational health standard limiting concentrations of specified substances to which persons are

exposed

Workplace OnlyA 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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