

# 1: Identification of the Substance and Supplier

**Product Name** 

**Recommended Use** 

**Suppliers Details** 

Web Address

**Email Address** 

Telephone Number Emergency Telephone

**National Poison Centre** 

Date of Issue/Revision

**ACE 840** 

Herbicide

Orion AgriScience Ltd

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0800 CHEMCALL (0800 243 622) (24 hours)

0800 POISON (0800 764 766) (24 hours)

November 2024

### 2: Hazards Identification

**Hazard Pictograms** 







#### Signal Words

# **Hazard Classes:**

Acute Oral Toxicity (Cat. 4)

Acute Inhalation Toxicity (Cat. 4)

Skin Irritation (Cat. 2)

Eye Irritation (Cat. 2)

Skin Sensitisation (Cat. 1)

Specific Target Organ Toxicity repeated exposure (Cat.2)

Hazardous to the aquatic environment acute (Cat. 1)

Hazardous to the aquatic environment chronic (Cat. 1)

Hazardous to soil organisms

Hazardous to terrestrial vertebrate

### **Precautionary Statements:**

Prevention

#### Warning

#### **Hazard Statements:**

H302 Harmful if swallowed

H332 Harmful if inhaled

H315 Causes skin irritation

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

H421 Very toxic to the soil environment

H433 Harmful to terrestrial vertebrates

P264 Wash hands thoroughly after handling

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

P280 Wear protective gloves/protective clothing/eye protection/face protection

P273 Avoid release to the environment

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

P271 Use only outdoors or in a well ventilated area

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

P391 Collect spillage

Keep out of reach of children. Read label before use. Avoid contact with eyes and skin. Do not breathe in the vapour or spray mist. Do not eat, drink or smoke during use. Wash hands thoroughly after use. When mixing or applying, wear personal protection as described in section 8. Do not take contaminated equipment or clothing off site. Take off contaminated clothing and wash before reuse. 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



breathing P301+P312 IF SWALLOWED: Call a POISON CEN P330 Rinse mouth P302+P352 IF ON SKIN: Wash with plenty of wa P321 Specific treatment (Refer section 4) P333+P313 If skin irritation occurs: Get medical P337+P313 If eye irritation persists: Get medical P362+P364 Take off contaminated clothing and P314 Get medical advice/attention if you feel ur P305+P351+P338 IF IN EYES: Rinse cautiously w Remove contact lenses, if present and easy to d First aid measures described in section 4. Conta In an emergency call 111, Police or Fire Brigade	advice/attention advice attention wash it before reuse well with water for several minutes. lo so. Continue rinsing in and collect spillage for disposal. For specialist advice in an
emergency only, call 0800 CHEMCALL (0800 243	3 6225) (24 hrs).
Storage Keep out of reach of children children	
Disposal P501 Dispose of contents by using it in accorda container via AgRecovery after triple rinsing (use	·

3: Composition/ Information on Ingredients				
Ingredient	CAS No	Content (% w/v)		
Acetochlor (active ingredient)	34256-82-1	84		
Hydrocarbon Liquid	64742-74-8	<10		
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

Rinse mouth. Seek medical advice if feeling unwell Ingestion:

**Skin Contact:** Wash with plenty of soap and water. Seek medical advice if irritation or rash occurs, or if feeling unwell. **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: No data available

**Skin Contact:** Irritation. Prolonged or repeated contact may result in degreasing of the skin and dermatitis. Contact may

induce an allergic response in susceptible individuals

**Eye Contact:** 

Inhalation: Irritation, headache, dizziness, nausea, vomiting

## 5: Fire-Fighting Measures

Fire/Explosion Hazard Non-Flammable (but will be combustible in a fire)

**HAZCHEM Code** 3Z **ERP Guide No** 47

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**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: 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 (Use lowest practicable level)

**Engineering Controls** 

Select spray application equipment to minimize exposure to operator and bystanders

Personal Protection:

**Eye** Safety glasses/goggles when mixing or applying

**Skin** Chemical resistant overalls snugly fitting at the neck, wrist and ankle, boots and gloves

**Respiratory**Not required where vapour 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

AppearancePurple LiquidOdourSolvent likeOdour ThresholdDoes not applypHDoes not applyMelting Point/Freezing PointDoes not applyBoiling PointDoes not apply

Flash Point >93°C

Flammability

Upper/Lower Flammability Limits

Vapour Pressure

Vapour Density

Relative Density

Does not apply

Does not apply

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
Does not apply

# 10: Stability and Reactivity

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Stability Stable under normal conditions

Hazardous ReactionsNone ExpectedIncompatibilityNone KnownHazardous Decomposition ProductsNone 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

Skin corrosion/irritation

Serious eye damage/Eye irritation

LD50 > 300 mg/kg

LD50 > 2000 mg/kg

LD50 > 1 mg/L

Skin Irritant

Eye Irritant

**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 - Repeated

exposure

Aspiration hazard

Oral exposure to acetochlor at high doses is damaging to the kidneys

Information not available

#### 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

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Acute Oral LD50 (Bobwhite quail) 1260 mg/kg
 LC50 (96 hr) (Rainbow Trout) 0.36 mg/l
 LC50 (48 hr) (Daphnia) 9 mg/l
 Very toxic to some plant species (selective herbicide)
 Non - toxic to bees.

**Persistence/degradability** Biodegradable. DT50 (soil) 8 – 18 days

**Bioaccumulative Potential** Octanol-water partition coefficient LogP = 4.14 (High)

**Soil Mobility** Soil organic carbon water partitioning coefficient Koc = 156 (moderately mobile)

**Environmental Exposure Limit:** None established

#### 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. (ACETOCHLOR 84%))

Class

Subsidiary Class None

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**Packing Group** 

- 11

**Additional Information** 

MARINE POLLUTANT

MTQ (Non-Commercial)
Passenger Service Vehicle

1000 litres 1 litre

Not required

15 Regulatory Information

EPA Approval No

ACVM Registration No

Qualified Person

Certified Handler

Workplace Only

HSR000404

P7218

Required

Not required

No

Tracking
Record Keeping

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

Site Requirements under EPA Notice

• A hazardous area is not required

and HSWHS Regs:

- 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
- Separation/Segregation from incompatible substances (classes 1, 2, 3.2, 4 and 5) is not applicable

**Additional Requirements** 

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

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SDS review date 6 November 2024

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 (6.1A and

6.1B)

**DT50** Time (days) for 50% reduction in concentration

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

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

**EPA Notice** Hazardous Property Controls Notice 2017

**ERP Guide**Dangerous Goods – Initial Emergency Response Guide SNZ HB 76:2008 **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

**HSWHS Regs** Health and Safety at Work (Hazardous Substances) Regulations 2017

LC50 Concentration that will kill 50% of organisms

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**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 Person** A 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.

Separation Distances The 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

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

oresent

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-Water**The 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

STEL 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 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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