

1: Identification of the Substance and Supplier

Product Name CORRAL
Recommended Use Herbicide

Suppliers Details Orion AgriScience Ltd

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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 June 2020

2: Hazards Identification

Hazard Pictograms







Signal Words

Hazard Classes:

3.1C Flammable Liquid (Cat. 3)

6.1E Acute Toxicity (Oral Cat. 5)

6.1E Acute Toxicity (Dermal Cat. 5)

6.3B Skin Irritation (Cat. 3)

6.4A Eye Irritation (Cat. 2)

6.5B Skin Sensitisation (Cat. 1)

6.7B Carcinogenicity (Cat. 2)

6.9A Target Organ Systemic Toxicity (Oral Cat. 1)

9.1A Aquatic Ecotoxicity (Cat. 1)

9.2A Soil Ecotoxicity

Precautionary Statements:

Prevention

Danger

Hazard Statements:

H226 Flammable liquid and vapour

H303 May be harmful if swallowed

H313 May be harmful in contact with skin

H316 Causes mild skin irritation

H319 Causes serious eye irritation

H317 May cause an allergic skin reaction

H351 Suspected of causing cancer

H372 Causes damage to organs through prolonged or repeated exposure

H410 Very toxic to aquatic organisms with long lasting effects

Very toxic to some plant species (selective herbicide)

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

No smoking

P233 Keep container tightly closed

P240 Ground and bond container and receiving equipment

P241 Use explosion proof electrical/ventilating/lighting equipment

P242 Use non sparking tools

P243 Take action to prevent static discharges

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

P264 Wash hands thoroughly after handling

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

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

P203 Obtain, read and follow all safety instructions before use

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

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Response



Keep out of reach of children. Read label before use. Do not use until all safety precautions have been read and understood. Use only outdoors. Explosive concentrations of vapours may form in enclosed or poorly ventilated areas. Avoid contact with eyes and skin. Do not breathe in the vapour or spray mist. When mixing or applying, wear personal protection as described in section 8. 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 apply directly into or onto water.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse affected areas with water (or shower)

P370+P378 In case of fire use water spray, foam, dry chemical or C02 to extinguish.

Avoid water jet

P301+P317 IF SWALLOWED: Get medical help P302+P317 IF ON SKIN: Get medical help

P332+P317 If skin irritation occurs get medical advice

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+P317 If eye irritation persists: Get medical help P302+P352 IF ON SKIN: Wash with plenty of water

P333+P317 If skin irritation or rash occurs: Get medical help

P321 Specific treatment (See first aid instructions)

P362+P364 Take off contaminated clothing and wash it before reuse

P318 If exposed or concerned, get medical advice

P319 Get medical help if you feel unwell

P391 Collect spillage

First aid measures described in section 4. Fire extinguishing instructions described in section 5. 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 P403+P235 Store in a well ventilated place. Keep cool

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

IngredientCAS NoContent (% w/v)Alachlor (active ingredient)15972-60-848Chlorobenzene108-90-730 - 60Other ingredientsProprietaryRemainder

4: First Aid Measures

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

Ingestion: Do NOT induce vomiting. Seek medical advice immediately.

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

unwell.

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Workplace Facilities: Hand wash facility. Eye wash facility

Advice to Doctor: No specific antidote. Treat symptomatically. If gastric lavage or emesis is considered necessary, inhalation

of hydrocarbons must be prevented. Hydrocarbon aspiration may complicate poisonings involving

ingestion

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: Nausea, vomiting, headache, stomach cramps. The solvent in this product may cause bronchopneumonia

or pulmonary oedema if aspirated into the lungs from ingestion or from vomiting

Skin Contact: Irritation. Contact may induce an allergic response in susceptible individuals

Eve Contact: Irritation

Inhalation: Headache, dizziness, nausea, vomiting, drowsiness, unconsciousness

5: Fire-Fighting Measures

Fire/Explosion Hazard Flammable liquid and vapour.

HAZCHEM Code 3Y ERP Guide No 14

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. Eliminate all ignition sources and naked lights. Use non-sparking

equipment. Leave and/or avoid entering confined spaces. Wear personal protective clothing and equipment as described in section 8. Respiratory protection (with organic vapour cartridge) required for any spill other

than minor. 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 cool, well ventilated, locked

and 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 Chlorobenzene 46 mg/m3, 10 ppm (8 hr TWA)

Engineering ControlsSelect spray application equipment to minimize exposure to operator and bystanders

Personal Protection:

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

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 vapour or spray mist is not inhaled. Otherwise, respirator (organic vapour and

particulate matter) is required.

Clean protective equipment after use

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9: Physical and Chemical Properties

Appearance Violet Liquid
Odour Solvent

Odour Threshold

pH

Not Applicable

Melting Point/Freezing Point

No data available

Boiling Point

No data available

No data available

Plash Point

29°C (closed cup)

Flammability Flammable liquid and vapour

Upper/Lower Flammability LimitsNo data availableVapour PressureNo data availableVapour Density> 1 (heavier than air)Relative Density1.12 g/mL (approx.)

Solubility in WaterEmulsifiablePartition Coefficient: n-octanol/waterSee section 12Auto ignition TemperatureNo data availableDecomposition TemperatureNo data available

Kinematic Viscosity Contains a low viscosity hydrocarbon solvent

10: Stability and Reactivity

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 Irritant/Corrosive

Eye Irritant/Corrosive

LD50 > 2000 mg/kg

LD50 > 2000 mg/kg

LD50 > 5 mg/L

Mild Skin Irritant

Strongly Irritating

Sensitisation Effects May cause an allergic skin reaction in susceptible individuals

Mutagenic Effects None

Carcinogenic Effects In animal feeding studies, rats given high doses of alachlor developed stomach, thyroid and nasal

turbinate tumours

Reproductive Effects None

Specific Organ Toxicity Ingestion of alachlor at high doses is damaging to the blood and hematopoietic (blood cell production)

system. Ingestion of chlorobenzene at high doses is damaging to the liver and alimentary system

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:

• Acute Oral LD50 (Bobwhite quail) 1536 mg/kg

LC50 (96 hr) (Rainbow trout) 1.8 mg/l

EC50 (48 hr) (Daphnia) 10 mg/l

Very toxic to some plant species (selective herbicide)

Non-toxic to bees

Persistence/degradability Biodegradable. DT50 (soil) 14 days (typical)

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Bioaccumulative Potential

Octanol-water partition coefficient

LogP = 3.09 (high)

Soil Mobility

Soil organic carbon water partitioning coefficient

Environmental Exposure Limit: None established

Koc = 335 (moderately mobile)

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 1993

Proper Shipping Name FLAMMABLE LIQUID, N.O.S. (CHLOROBENZENE 48%)

Class 3

Subsidiary Class None
Packing Group

Additional Information MARINE POLLUTANT

MTQ (Non-Commercial) 250 litres

Passenger Service Vehicle 1 litre maximum

15 Regulatory Information

EPA Approval No
ACVM Registration No
P4524
Qualified Person
Required
Certified Handler
Workplace Only
No

Tracking Not required

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

Site Requirements under EPA Notice and HSWHS Regs:

- A hazardous substance location compliance certificate is required for more than 500 L (closed
 - containers > 5 L size), 1500 L (closed containers ≤ 5 L size), or 250 L (open containers)
 - A hazardous area is required
 - Separation distances for class 3 and class 6 substances to protected places and public places is applicable
 - Fire extinguishers are required for more than 500 L (2 fire extinguishers)
 - ullet Signage is required for more than 100 L
 - An emergency response plan is required for more than 100 L
 - Secondary containment is required for more than 100 L
 - Segregation from incompatible substances (classes 1, 2, 3.2, 4 and 5) is required

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

16: Other Information

ilossary

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

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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

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

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.

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

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

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 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 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

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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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