

SAFETY DATA SHEET

According to
HSNO Hazardous Substances (Safety Data Sheets) Notice 2017

Section 1. Identification of the material and the supplier

Product: **Extracta Herbicides Acetochlor 840**
Substance: Emulsifiable concentrate of acetochlor

Chemical name of active ingred: IUPAC Name:
2-chloro-N-ethoxymethyl-6'-ethylaceto-o-toluidide
CA Name:
2-chloro-N-(ethoxymethyl)-N-(2-ethyl-6-methylphenyl)
acetamide

Product Use: Agricultural herbicide
Restriction of Use: Refer to Section 15

New Zealand Supplier: **Wholesale Seeds Limited**
Address: 5 Bryant Street
Ashburton
New Zealand

Telephone No: +64 3 307 9260
Emergency No: 0800 CHEMCALL (0800 243 622)

Manufacture: **Danken New Zealand Ltd**
Address: P.O. Box 16194
Hornby
Christchurch, 8441

Telephone: 0800 326 536

Date of SDS Preparation: 22 May 2024

Section 2. Hazards Identification

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

EPA Approval No: HSR101324

Pictograms



Signal Word: **Warning**

GHS Classification and Category	Hazard Code	Hazard Statement
Acute oral toxicity Cat. 4	H302	Harmful if swallowed.
Skin irritation Cat. 2	H315	Causes skin irritation.
Eye irritation Cat. 2	H319	Causes serious eye irritation.

Skin sensitisation Cat. 1	H317	May cause an allergic skin reaction.
Specific target organ toxicity – repeated exposure Cat. 2	H373	May cause damage to organs through prolonged or repeated exposure.
Hazardous to the aquatic environment acute Cat. 1	H400	Very toxic to aquatic life.
Hazardous to the aquatic environment chronic Cat. 1	H410	Very toxic to aquatic life with long lasting effects.
Hazardous to soil organisms.	H422	Hazardous to soil organisms
Hazardous to terrestrial vertebrates.	H432	Hazardous to terrestrial vertebrates

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read carefully and follow all instructions.
P260	Do not breathe fumes, vapours or spray.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment [if this is not the intended use].
P280	Wear protective clothing [as detailed in SDS Section 8].

Response Code	Response Statement
P101	If medical advice is needed, have product container or label at hand.
P314	Get medical advice/attention if you feel unwell.
P330	Rinse mouth.
P391	Collect spillage.
P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of water.
P305 + P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash before reuse.

Storage Code	Storage Statement
None allocated	Keep out of reach of children. Store in the original container, tightly closed, in a locked cool, dry and well-ventilated area away from feed or foodstuffs. Avoid storage at temperatures below 5°C and above 35°C Storage must be in accordance with the current version of NZS 8409 Management of Agrichemicals. Stores containing 100 L or more of EXTRACTA HERBICIDES ACETOCHLOR 840 are subject to signage, secondary containment and an emergency response plan.

Disposal Code	Disposal Statement
P501	Dispose of according to Local Regulations or Authorities

Section 3. Composition / Information on Hazardous Ingredients

Ingredients	Wt%	CAS NUMBER.
Acetochlor	75	34256-82-1
Dichlormid	14	37764-25-3
Nonhazardous or ingredients not triggering final classification	To balance	

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice.
If on Skin	Take off contaminated clothing and wash before reuse. Wash off skin immediately with soap and plenty of water for 15 to 20 minutes. If skin irritation or rash occurs: Get medical advice/attention.
If Swallowed	DO NOT induce vomiting. Wash out mouth thoroughly with water. Never give anything by mouth to an unconscious person. Call a POISON CENTER or doctor/physician if you feel unwell.
If Inhaled	Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Keep at rest until fully recovered. Get medical advice if breathing becomes difficult.

Most important symptoms and effects, both acute and delayed

Symptoms:	Burning sensation, cough, wheezing, laryngitis, shortness of breath, headache, nausea, vomiting. Refer to Section 11 for full details.
Swallowed:	Harmful if swallowed.
Inhalation:	Not applicable.
Skin:	Causes skin irritation. May cause an allergic skin reaction.
Eyes:	Causes serious eye irritation.
Chronic:	May cause damage to organs through prolonged or repeated exposure.
Notes to Doctor:	There is no specific antidote available. Treat symptomatically. Supportive care. Treatment based on judgment of physician in response to symptoms of patient. If lavage is performed, suggest endotracheal and/or oesophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach.

Section 5. Fire Fighting Measures

Hazard Type	Non Flammable
Hazards from products	Carbon oxides, Nitrogen oxides (NOx), Hydrogen chloride gas
Suitable Extinguishing media	For small fires: Carbon dioxide. Dry chemical fire extinguishers. Foam. For large fires, use: Water fog or fine spray.
Precautions for firefighters and special protective clothing	Wear self-contained breathing apparatus for firefighting if necessary.
HAZCHEM CODE	3Z

Section 6. Accidental Release Measures

Wear personal protective equipment detailed in Section 8. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing vapours and mist.

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Absorb with absorbent material . put into a suitable, closed containers for disposal. Dispose of in compliance with local and/or national regulations or as per Section 13.

Section 7. Handling and Storage

Precautions for Handling:

- Read carefully and follow all instructions.
- Do not breathe fumes, vapours or spray.
- Do not eat, drink or smoke when using this product.
- Contaminated work clothing should not be allowed out of the workplace.
- Avoid release to the environment [if this is not the intended use].
- Avoid contact with eyes, skin and inhalation of spray mist.
- When preparing spray and using the prepared spray wear: cotton overalls buttoned to the neck and wrist (or equivalent clothing), a washable hat, elbow-length PVC gloves. If using a hand directed sprayer, wear, in addition: waterproof trousers, boots.
- After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water.
- After each day's use, wash gloves and contaminated clothing.

Precautions for Storage:

- Store away from incompatible materials listed in Section 10.
- Keep out of reach of children.
- Store in a cool, dry, well-ventilated place in the original container.
- Protect from excessive heat and cold.
- Do not store near food, drink, animal feeding stuffs, pharmaceuticals, cosmetics or fertilizers.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³

No ingredients have exposure limits

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices Nov 2023 14TH EDITION.

Acceptable Daily Intake (ADI):

(EC proposal) 0.011 mg/kg b.w.; (EPA) cRfD 0.02 mg/kg b.w. [1993]

No-observable-effect-level (NOEL):

Rats (2 y) 11mg/kg b.w. daily; Dogs (1 y) 2mg/kg b.w. daily.

Engineering Controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal Protection Equipment



Eyes	Protective glasses or goggles should be worn when this product is being used. Failure to protect your eyes may cause them harm. Emergency eye wash facilities are also recommended in an area close to where this product is being used.
Hands	The information at hand indicates that this product is not harmful and that normally no special skin protection is necessary. However, we suggest that you routinely avoid contact with all chemical products and that you wear suitable gloves (preferably elbow-length) when handling this product.
Skin	Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Respiratory	If there is a significant chance that mists are likely to build up in the area where this product is being used, we recommend that you use a suitable Dust Mask.
General	Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove clothing immediately after handling this product. Wash outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Section 9 Physical and Chemical Properties

Appearance	Liquid
Colour	Light yellow
Odour	Not available
Odour Threshold	Not available
pH	Not available
Boiling Point	Not available
Melting Point	Not available
Freezing Point	Not available
Flash Point	Not available
Flammability	Not flammable
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not applicable for the end-use product, Refer to the active substance, 2.2×10^{-2} mPa (20°C), 4.6×10^{-2} mPa (25°C)
Vapour Density	Not available
Relative Density	Not available
Water Solubility	Miscible with water.
Partition Coefficient:	Not applicable for the end-use product, Refer to the active substance, $K_{ow} \log P = 4.14(20^\circ\text{C})$
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Kinematic Viscosity	Not available
Particle Characteristics	Not available

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions.
Possibility of hazardous reactions	No data available
Conditions to Avoid	Moisture, high temperature, direct sunlight.
Incompatible Materials	Strong basic, acidic or oxidizing materials.
Hazardous Decomposition Products	Other decomposition products - No data available. In the event of fire: see section 5

Section 11 Toxicological Information

Acute Effects:

Swallowed	Harmful if swallowed.
Dermal	Not triggered as hazardous.
Inhalation	Not triggered as hazardous.
Eye	Causes serious eye irritation.
Skin	Causes skin irritation. May cause an allergic skin reaction.

Chronic Effects:

Carcinogenicity	Not triggered as hazardous.
Reproductive Toxicity	Not triggered as hazardous.
Teratogenic Effects	Not triggered as hazardous.
Germ Cell Mutagenicity	Not triggered as hazardous.
Aspiration	Not triggered as hazardous.
STOT/SE	Not triggered as hazardous.
STOT/RE	May cause damage to organs through prolonged or repeated exposure.

There is no data available for the formulation type, so the technical information is listed for the reference.

Acute Oral Rats: LD50 2148 mg/kg
Mice: LD50 >1332-3992 mg/kg
Inhalation Rats: LC50 (4 h) >3.0 mg/L air

Skin and Eye: Rabbits: Acute percutaneous LD50>4166 mg/kg
Practically non-irritating to eyes and skin.

Skin sensitization

Contact sensitization reactions observed in guinea pigs.

Reproductive effects

Rat-oral, Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus).

Mutagenic effects

Human- lymphocyte, Sister chromatid exchange.

Carcinogenic effects

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Section 12. Ecotoxicological Information

Very toxic to aquatic life with long lasting effects.

Hazardous to soil organisms.

Hazardous to terrestrial vertebrates.

Product:	
Persistence and degradability	No data available.
Bioaccumulation	No data available.
Mobility in Soil	No data available.

Eco Toxicity (ePM):

Route	Species	Duration	Value LC50/EC50
Fish	Rainbow trout	96 hr	0.36 mg/L
	Bluefill Sunfish	96 hr	1.3 mg/L
	Sheepshead minnow	96 hr	2.4mg/L
Daphnia	Daphnia Magna	48 hr	8.6 mg/L
Algae	Selenastrum capricornutum	72hr	0.52µg/l (recovery observed)
	Selenastrum Costatum	72hr	E _r C ₅₀ (72h) 21µg/l
	Navicula pelliculosa	5 days	E _r C ₅₀ (5d) 2.3mg/L
	Anabaena flos-aquae	5 days	E _r C ₅₀ (5d) 110mg/L
Bees	Bees	-	LD ₅₀ (48h, oral) >100µg/bee LD ₅₀ (48h, contact) >100µg/bee
Worms	Eisenia Foetida	14 days	>211 mg/kg
Bird	Mallard Ducks	5 days	Acute Oral:LD50: >2000 mg/kg Dietary: LC50:>5620 mg/kg
	Bobwhite quail	5 days	Dietary: LC50 >5620 mg/kg Acute oral: LD50 926 mg/kg
Other Aquatic spp	Mysidopsis bahia Duckweed		EC ₅₀ (96 h) 2.4 mg/L E _b C ₅₀ (7d) 3.6 mg/L E _r C ₅₀ (7 d) 7.4µg/l (recovery observed)

Do not allow to enter drains or water courses.

Section 13. Disposal Considerations

Disposal Method:

Triple or preferably pressure rinse containers before disposal. Add rinsing 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 bury empty containers in a local authority landfill. If no landfill available, bury the containers below 500mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt. Dispose of washings, contaminated materials, used absorbents and other waste materials as directed by local regulations.

Precautions or methods to avoid: Avoid release to the environment.

Section 14 Transport Information

This product is classified as a Dangerous Good for transport in NZ ; NZS 5433:2020 and SNZ HB 5433:2021



Road, Rail, Sea and Air Transport

UN No	3082
Class - Primary	9
Packing Group	III
Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S (Acetochlor)
Marine Pollutant	Yes
Special Provisions	If the product's individual container is below 5kg, it can be transported as a non-DG as long as the product packaging is still

	labelled as per DG requirements and the driver is given safety information in accordance with Chapter 3.4 of the UNRTDG.
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Section 15 Regulatory Information

This substance is classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

EPA Approval Code: **HSR101324**

HSW (HS) Regulations 2017 and EPA Notices	Trigger Quantity
Certified Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	100L
Emergency Response Plan	100L
Secondary Containment	100L
HSNO Additional Controls (Restrictions of use)	
77A- Application method restrictions	This substance must be applied using ground-based methods only.
ACVM Registration No.	P10152

Section 16 Other Information

Glossary

Cat	Category
EC ₅₀	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC ₅₀	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD ₅₀	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2023 14th edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2020
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

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Please contact the New Zealand distributor, if further information is required.

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