

SAFETY DATA SHEET

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

Section 1. Identification of the material and the supplier

Product: **Performa Extracta Herbicides Clopyralid 300**
Substance: soluble concentrate of Clopyralid
Chemical name of active ing: 3,6-dichloropyridine-2-carboxylic acid
Product Use: Herbicides
Restriction of Use: Refer to Section 15

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

Telephone No: 03 307 9260

Emergency No: **0800 CHEMCALL (0800243 622)**

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

Telephone: 0800 326 536

Date of SDS Preparation: 07 August 2024

Section 2. Hazards Identification

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

EPA Approval No: HSR101196

Pictograms



Signal Word: **Warning**

GHS Classification and Category	Hazard Code	Hazard Statement
Eye damage Cat. 1	H318	Causes serious eye damage
Hazardous to the aquatic environment chronic Cat. 2	H411	Toxic to aquatic life with long lasting effects
Hazardous to soil organisms		
Hazardous to terrestrial vertebrates		

Precautionary Statements:

Prevention	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
------------	--

	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.
Response	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	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 are subject to signage, secondary containment and an emergency response plan.
Disposal	P501 Dispose of according to Local Regulations or Authorities. Dispose of the container via AgRecovery after triple rinsing (use the rinsate for spraying).

Section 3. Composition / Information on Hazardous Ingredients

Ingredients	CAS NUMBER.	Content (G/L, w/V)
Clopyralid	1702-17-6	300
Ethanolamine	141-43-5	< 100
Non hazardous	Proprietary	up to 100%

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes	Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice.
If on Skin	Wash off skin immediately with soap and plenty of water for 15 to 20 minutes. If skin irritation occurs: Get medical advice/attention.
If Swallowed	Wash out mouth thoroughly with water. Do not induce vomiting unless told to do so by a poison control center or doctor. Make every effort to prevent vomit from entering the lungs by careful placement of the patient. 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. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Apply artificial respiration if not breathing. Get medical advice if breathing becomes difficult.

Most important symptoms and effects, both acute and delayed

Symptoms: Harmful if swallowed.

Notes to Doctor: Poisoning symptoms in laboratory animals were non-specific. There is no specific antidote available. Treat symptomatically.

Section 5. Fire Fighting Measures

Hazard Type	Non Flammable
Hazards from products	No data available
Suitable Extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Product Name: Performa Extracta Herbicides Clopyralid 300 Prepared by: Technical Compliance Consultants (NZ) Ltd
Date of SDS: 07 August 2024 Tel: 64 9 475 5240 www.techcomp.co.nz

Precautions for firefighters and special protective clothing	Wear protective clothing and self-contained breathing apparatus. Do not allow run-off from firefighting to enter drains or water courses. Cool closed containers exposed to fire with water spray.
HAZCHEM CODE	3Z

Section 6. Accidental Release Measures

Wear personal protective equipment detailed in Section 8. Avoid dust formation. 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.

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in 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.
- Wash hands thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Avoid release to the environment.
- Avoid contact with eyes and skin.
- 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 the closed, original container in a cool, well ventilated area.
- DO NOT store for prolonged periods in direct sunlight.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA ppm mg/m ³	STEL ppm mg/m ³
Ethanolamine	7.5 mg/m ³ / 3 ppm (8hr TWA); 15 mg/m ³ / 6 ppm (15 min STEL)	

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 APRIL 2022 13TH EDITION.

Engineering Controls

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. 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	For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
General	Wash hands before breaks and at the end of workday.

Section 9 Physical and Chemical Properties

Appearance	Liquid
Colour	Amber
Odour	Not available
Odour Threshold	No data available
pH	7.5-9.5
Boiling Point	> 100°C
Melting Point	< 0°C
Freezing Point	Not available
Flash Point	Not available
Flammability	Not flammable
Upper and Lower Explosive Limits	Not available
Vapour Pressure	No data available
Vapour Density	Not available
Relative Density	1.15 g/mL (approx.)
Water Solubility	Soluble
Partition Coefficient:	LogP = -2.63 (low)
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	Not available
Conditions to Avoid	Moisture, high temperature, direct sunlight.
Incompatible Materials	Strong acids or bases.
Hazardous Decomposition Products	None Known

Section 11 Toxicological Information

Acute Effects:

Oral	Acute oral LD50 for rats >5000 mg/kg.
Dermal	Acute Dermal LD50 for rats 5000 mg/kg.
Inhalation	LC50 (4 h) for rats >1.0 mg/l air.
Eye Irritant/Corrosive	Severe eye irritant
Skin Irritant/Corrosive	Not a skin irritant (rabbits).
Sensitisation Effects	None

Chronic Effects:

Carcinogenicity	Not triggered as hazardous.
Reproductive Toxicity	None
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	None

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

Section 12. Ecotoxicological Information

Hazardous to soil organisms.

Product:	
Persistence and degradability	Biodegradable. DT50 (soil) 23 days (typical)
Bioaccumulation	Octanol-water partition coefficient LogP = -2.63 (low)
Mobility in Soil	Soil organic carbon water partitioning coefficient Koc = 5.0 (very mobile)

Eco Toxicity (ePM):

Birds Acute oral LD₅₀ for mallard ducks 1465, bobwhite quail >2000 mg/kg. Dietary LC₅₀ (5 d) for mallard ducks and bobwhite quail >4640 mg/kg diet.

Fish LC₅₀ (96 h) for rainbow trout 103.5, bluegill sunfish 125.4 mg/l.

Daphnia EC₅₀ (48 h) 225 mg/l. EC₅₀ (21 d) immobilisation 69, reproduction 80 mg/l; NOEC 17 mg/l.

Algae EC₅₀ (96 h) for *Selenastrum capricornutum*, cell count 6.9, cell volume 7.3 mg/l.

Other aquatic spp. EC₅₀ (14 d) for *Lemna gibba* 89 mg/l.

Bees Non-toxic to bees. LD₅₀ (48 h, oral and contact) >100 µg/bee.

Worms LC₅₀ (14 d) for earthworms >1000 mg/kg soil.

Other beneficial spp. No effect on nitrification, nitrogen fixation or degradation of cellulose, starch, protein and leaf material at 1–10 ppm.

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. (CLOPYRALID 300g/L SL)
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.

Section 15 Regulatory Information

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

EPA Approval Code: HSR101196

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
Restriction of Use:	Use as for intended use.

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
it.	inhaling or ingesting
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 April 2022 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

This document has been prepared by TCC (NZ) Ltd and serves as the suppliers Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to TCC (NZ) Ltd or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer. While TCC (NZ) have taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, TCC (NZ) Ltd accept no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS

The information herein is given in good faith, but no warranty, express or implied is made.

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

Issue Date: 7 August 2024 Review Date: 7 August 2029