

## 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 Flumetsulam 800**  
Substance: Water dispersible granule of Flumetsulam  
Chemical name of active ing: IUPAC Name: 2',6'-difluoro-5-methyl[1,2,4]triazolo[1,5-a]pyrimidine-2-sulfonanilide  
CA Name: N-(2,6-difluorophenyl)-5-methyl[1,2,4]triazolo[1,5-a]pyrimidine-2-sulfonamide  
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: 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: 25 July 2024

### Section 2. Hazards Identification

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

**EPA Approval No: HSR000458**

#### Pictograms



Signal Word: **Warning**

GHS Classification and Category	Hazard Code	Hazard Statement
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	H421	Hazardous to soil organisms

Prevention Code	Prevention Statement
P102	Keep out of reach of children.
P103	Read carefully and follow all instructions.
P270	Do not eat, drink or smoke when using this product.
P273	Avoid release to the environment.

Response Code	Response Statement
P101	If medical advice is needed, have product container or label at hand.
P363	Wash contaminated clothing before reuse.
P391	Collect spillage.

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 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	Content (% , w/w)	CAS NUMBER.
Flumetsulam	60	98967-40-9
Non hazardous	up to 100%	Proprietary

### 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

<b>Hazard Type</b>	Non Flammable. Thermal decomposition may produce toxic fumes and compound.
<b>Hazards from products</b>	Carbon oxides, nitrogen oxides (NOx), Hydrogen chloride gas.
<b>Suitable Extinguishing media</b>	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
<b>Precautions for firefighters and special protective clothing</b>	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.
<b>HAZCHEM CODE</b>	<b>2Z</b>

## 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	STEL
	ppm mg/m <sup>3</sup>	ppm mg/m <sup>3</sup>

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 APRIL 2022 13<sup>TH</sup> 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



<b>Eyes</b>	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.
<b>Hands</b>	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.
<b>Skin</b>	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.
<b>Respiratory</b>	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).
<b>General</b>	Wash hands before breaks and at the end of workday.

## Section 9 Physical and Chemical Properties

<b>Appearance</b>	Homogenous loose powder
<b>Colour</b>	Off white
<b>Odour</b>	Not available
<b>Odour Threshold</b>	Not available
<b>pH</b>	5-7
<b>Boiling Point</b>	Not available
<b>Melting Point</b>	Not available
<b>Freezing Point</b>	Not available
<b>Flash Point</b>	Not available
<b>Flammability</b>	Not flammable
<b>Upper and Lower Explosive Limits</b>	Not available
<b>Vapour Pressure</b>	Not available
<b>Vapour Density</b>	Not available
<b>Relative Density</b>	Not available
<b>Water Solubility</b>	Dispersible with water.
<b>Partition Coefficient:</b>	Not applicable
<b>Auto-ignition Temperature</b>	Not available

<b>Decomposition Temperature</b>	Not available
<b>Kinematic Viscosity</b>	Not available
<b>Particle Characteristics</b>	Not available

### Section 10. Stability and Reactivity

<b>Stability of Substance</b>	This product is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	Not available
<b>Conditions to Avoid</b>	Moisture, high temperature, direct sunlight.
<b>Incompatible Materials</b>	Strong acids or bases.
<b>Hazardous Decomposition Products</b>	Carbon oxides, nitrogen oxides (NOx), Hydrogen chloride gas.

### Section 11 Toxicological Information

#### Acute Effects:

<b>Oral</b>	Not triggered as hazardous. Rats: LD50 >5000 mg/kg
<b>Dermal</b>	Not triggered as hazardous. Rabbits: Acute percutaneous LD50>2000 mg/kg.
<b>Inhalation</b>	Not triggered as hazardous. LC <sub>50</sub> (4 h) for male and female rats 1.2 mg/l air.
<b>Eye Irritant/Corrosive</b>	Not triggered as hazardous. Not a eye irritant (rabbits).
<b>Skin Irritant/Corrosive</b>	Not triggered as hazardous. Not a skin irritant (rabbits).
<b>Sensitisation Effects</b>	Not triggered as hazardous. Not a skin sensitiser (guinea pigs).

#### Chronic Effects:

<b>Carcinogenicity</b>	Not triggered as hazardous.
<b>Reproductive Toxicity</b>	Not triggered as hazardous.
<b>Teratogenic Effects</b>	Not triggered as hazardous.
<b>Germ Cell Mutagenicity</b>	Not triggered as hazardous.
<b>Aspiration</b>	Not triggered as hazardous.
<b>STOT/SE</b>	Not triggered as hazardous.
<b>STOT/RE</b>	Not triggered as hazardous.

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

### Section 12. Ecotoxicological Information

Very toxic to aquatic life with long lasting effects.  
Hazardous to soil organisms.

<b>Product:</b>	
<b>Persistence and degradability</b>	No data available
<b>Bioaccumulation</b>	No data available
<b>Mobility in Soil</b>	No data available

#### Eco Toxicity (ePM):

Product Name: Extracta Herbicides Flumetsulam 800 SDS Prepared by: Technical Compliance Consultants (NZ) Ltd  
Date of SDS: 25 July 2024 Tel: 64 9 475 5240 www.techcomp.co.nz

Route	Species	Duration	Value LC50/EC50
Fish	silverside minnows fathead minnows and bluegill sunfish	96 hr 96 hr	LC50 >379 mg/l. Non-toxic
Daphnia	Daphnia	48 hr	Non-toxic.
Algae	green algae blue-green algae	5 d	EC <sub>50</sub> 4.9µg/l. EC <sub>50</sub> 167 µg/l.
Bees	Bees	-	LC50 >100 µg/bee. NOEL 36 µg/bee.
Worms	Earthworm	14 days	LC50 > 950 mg/kg soil.
Bird	Acute oral for bobwhite bobwhite quail and mallard ducks	8 days	LD50: >2250 mg/kg Dietary: LC50:>5620ppm
Other beneficial spp			LC50 for shrimps >349 mg/l.

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

<b>UN No</b>	3077
<b>Class - Primary</b>	9
<b>Packing Group</b>	III
<b>Proper Shipping Name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S (FLUMETSULAM 80%)
<b>Marine Pollutant</b>	Yes
<b>Special Provisions</b>	If the product's individual container is below 5kg/L, 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: HSR000458

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	100 kg
Emergency Response Plan	100 kg
Secondary Containment	NA
Restriction of Use:	Use as for intended use.

**Section 16 Other Information**

**Glossary**

Cat	Category
EC <sub>50</sub>	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC <sub>50</sub>	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD <sub>50</sub>	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**

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

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