



SAFETY DATA SHEET

OFFICIATE®

SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND COMPANY

1.1 Identifiers

Product name: **Officiate®**
Other Name(s): Water dispersible granule containing flumetsulam 800 g/kg

1.2 Recommended use of the chemical and restrictions on use

Product Use: Herbicide for selective control of broadleaf weeds.

1.3 Supplier contact details:

Company name: Grosafe Chemicals Limited
Address: 20 Jean Batten Drive Mt Maunganui, 3116
Telephone: 0800 220 002
Email: info@grosafe.co.nz

Emergency telephone number 0800 CHEMCALL (0800 243 622)

SECTION 2: HAZARD IDENTIFICATION

2.1 Classification of the Hazardous Chemical

Hazardous substance according to Hazardous Substances and New Organisms (HSNO) Act 1996.

HSNO Substance Approval: HSR000458

Classifications: Hazardous to soil organisms, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1.

2.2 Label elements:

Pictograms:



Signal Word: **WARNING**

Hazard statements:

H421 Very toxic to the soil environment.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

Additional labelling statements required under Hazardous Substances (Labelling) Notice 2017

Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.

Do not apply directly into or onto water.

Precautionary statements:*Prevention*

- P103 Read label before use.
 P273 Avoid release to the environment.

Response

- P391 Collect spillage.

Storage

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Disposal

- P501 Dispose of contents/container in accordance with local regulations.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS	Proportion % w/w
Flumetsulam	98967-40-9	80
Other ingredients	Trade secret	balance

SECTION 4: FIRST AID MEASURES**4.1 Description of first aid measures****General Information:**

For advice call the National Poison Centre, telephone 0800 POISON [0800 764 766]. Have label or Safety Data Sheet at hand.

Ingestion: If swallowed, rinse mouth with water. Do not induce vomiting. Call the NATIONAL POISONS CENTRE or doctor for advice if concerned or person feels unwell.

Skin Contact: Remove contaminated clothing and wash skin with plenty of soap and water. Get medical advice if irritation persists.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention if irritation persists.

Inhalation: Remove person to fresh air and keep at rest in a position comfortable for breathing. Call the NATIONAL POISONS CENTRE or doctor for advice if concerned or person feels unwell.

4.2 Symptoms caused by exposure

No specific symptoms identified.

4.3 Medical attention and special treatment

Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES**5.1 Suitable extinguishing media**

Use water spray or fog, foam, CO₂ or dry chemical as appropriate for surrounding materials, Contain extinguishing media to prevent runoff into drains, sewers, waterways.

5.2 Specific hazards arising from the chemical

Fire decomposition products may be toxic/harmful and/or irritating if inhaled.
 Evacuate people to safe area upwind of fire.

5.3 Special protective equipment and precautions for fire fighters

Wear full personal protective equipment including with self-contained breathing apparatus (SCBA).

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Have this SDS available. In the event of a spill, wear appropriate protective clothing and eye/hand protection. Wash contaminated personal protective equipment and clothing and dry before re-use.

6.2 Environmental precautions

Prevent spillage from entering drains or waterways. If contamination of drains, streams, watercourses, etc. is unavoidable, warn the local water authority.

6.3 Methods and materials for containment and cleaning up

Contain spilled material. Collect granules for reuse or disposal. For small liquid spills, use absorbent material such as sand, soil, vermiculite and recover into labelled drums that can be sealed for safe disposal. For large liquid spills, recover liquid into labelled containers then absorb remaining liquid and transfer to drums for disposal. Clean area with water and detergent. Dispose of contaminated materials to approved landfill in accordance with local regulations.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Read the label before use. Do not apply directly into or onto water.

Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area

When mixed, loaded or applied, the person needs to be a suitably qualified handler.

If 3 kg or more of this product is applied within 24 hours, in a place where the product is likely to enter air or water and leave the application area, a person in charge must ensure that a written record is kept of each application or the product.

When applying product avoid inhalation of spray mist/aerosols. Wear protective equipment such as coat/trouser (overalls), boots, gloves and eye protection.

Wash hands and exposed skin with soap and water after handling and before rest or meal breaks.

Do not eat, drink or smoke when using.

Do not use spray equipment contaminated with this product for any other purpose unless first thoroughly cleaned with a suitable cleaning detergent.

7.2 Conditions for safe storage

Store securely in the closed original packaging out of reach of children and in a dry, cool, well-ventilated area and out of direct sunlight. Keep away from sources of heat, food, drink and animal feedstuffs.

Storage of 100 kg or more of this product requires an emergency response plan, secondary containment and signage.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Control parameters – exposure standards, biological monitoring

Ingredient	TWA (mg/m ³)	STEL (mg/m ³)
Respirable dust (not otherwise classified)	3	
Inhalable dust (not otherwise classified)	10	

8.2 Engineering controls

Recommended to use in well-ventilated area or outdoors.

8.3 Personal protective equipment (PPE)

The following Standards provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: **AS/NZS 4501**, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

Eye/Face Protection: Wear chemical splash goggles if eye contact with dust or spray moist/aerosol is possible.

Skin Protection: Wear impervious chemical resistant gloves (e.g. nitrile, butyl), coveralls, socks and chemical resistant footwear. For overhead spray exposure, wear chemical resistant headgear. Ensure all skin areas are covered.

Respirator: Use outdoors in well-ventilated area or use local exhaust ventilation. Where product is being sprayed and a mist could be produced a respirator should be worn. It should be fitted with a cartridge, suitable for particulates.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White – off white granules
Odour	Characteristic
Odour threshold	Not known
pH	5.0 – 7.0 (1% aqueous dispersion)
Melting/Freezing Point	No data available
Boiling Point /Range	No data available
Flash point	Non flammable
Flammability (solid, gas)	Not applicable
Vapour Pressure	No data available
Vapour density	No data available
Specific gravity/bulk density	No data available
Solubility	Dispersible in water
Partition Co-efficient n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	Not applicable

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

This product is unlikely to react or decompose under normal storage conditions.

10.2 Chemical stability

Stable under normal temperatures and pressure for storage and use.

10.3 Conditions to Avoid

Avoid storage in direct sunlight, exposure to heat or contact with incompatible materials.

10.4 Incompatible materials and possible hazardous reactions

Strong acids, strong alkalis.

10.5 Hazardous decomposition products

Fire Decomposition: Smoke, carbon oxides and other unspecified compounds.

10.6 Polymerisation

Not known to occur.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Health hazard information

The product is classified for health hazards according to an assessment of information on product.

11.2 Toxicological information

Acute toxicity: Not classified as being acutely toxic.

Aspiration hazard:	Product contains no components with aspiration hazard.
Respiratory irritation:	May be slightly irritating.
Skin corrosion/irritation	Not classified as skin irritant. May be mildly irritating.
Serious eye damage/irritation	Not classified as eye irritant/corrosive. May be mildly irritating.
Respiratory or skin sensitisation	Not classified as a respiratory or contact sensitiser.
Germ cell mutagenicity:	No ingredients in product identified as presumed or suspected mutagens.
Carcinogenicity	No ingredients in product identified as presumed or suspected carcinogens.
Reproductive toxicity	No ingredients in product identified suspected of damaging fertility or the unborn child.
Specific target organ toxicity – single/repeated exposure	Not classified for adverse effects to organs or systems from single, prolonged or repeated oral exposure.
Narcotic effects	Product contains no ingredient identified as causing narcotic effects.

11.3 Toxicological data:

Flumetsulam	Oral, LD ₅₀ (rat) >5000 mg/kg bw Dermal, LD ₅₀ (rabbit) 2000 mg/kg bw Inhalation, LC ₅₀ 4 h (rat) 1.2 mg/L
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SECTION 12: ECOLOGICAL INFORMATION

12.1 Ecotoxicity

This product is classified as very toxic to aquatic life and with long lasting effects, and as very toxic in the soil environment.

12.2 Environmental Fate

Breakdown in soil and groundwater: Moderately persistent. Soil DT₅₀ 45 days (typical).

Bioaccumulation: Low bioaccumulation potential. Log P <3.

Partition coefficient (octanol/water): Not available.

Soil mobility: Flumetsulam is mobile in soil.

12.3 Ecotoxicity data:

Flumetsulam	Fish: <i>Oncorhynchis mykiss</i> LC ₅₀ (96 hr) >300 mg/L Crustacea: <i>Daphnia spp</i> EC ₅₀ (48 h) >254 mg/L Alga: <i>Chlorella vulgaris</i> EC ₅₀ (72 hr) 10.68 mg/L Aquatic plant; <i>Lemna gibba</i> EC ₅₀ (7d, growth) 0.0021 mg/L Bird: <i>Colinus virginianus</i> LD ₅₀ 2250 mg /kg
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SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Product Disposal

Refer to product label. If possible, dispose of by using according to the label. Otherwise dispose of to an approved landfill or waste management facility in accordance with local regulations.

13.2 Container Disposal

Refer to product label. Do not use packaging for storage of other products. Empty packaging should be disposed of to an approved pesticide recycler or crushed and sent to approved landfill.

SECTION 14: TRANSPORT INFORMATION

Road and Rail Transport:

Classified as Dangerous Good Class 9 according to NZS5433 Transport of Dangerous Goods on Land

Marine Transport (IMO/IMDG):

Classified as Dangerous Good Class 9 by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Air Transport (ICAO/IATA):

Classified as Dangerous Good Class 9 by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulation for transport by air.

UN Number: 3077
UN Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS FLUMETSULAM 80%)
Transport hazard class(es) 9
Packing Group: III
HAZCHEM: 2Z
Special Precautions for User: -
IMDG Marine pollutant: YES
Transport in Bulk: -

SECTION 15: REGULATORY INFORMATION

15.1 HSNO Act 1996

Hazardous substance according to Hazardous Substances (Hazard Classification) Notice 2020.

Approved substance number: HSR000458

Hazardous classifications: Hazardous to soil organisms, Hazardous to the aquatic environment acute Category 1, Hazardous to the aquatic environment chronic Category 1.

Controls: Refer to www.epa.govt.nz for all Controls.

Restricted to workplaces only	-
Quantity that requires management in accordance with HSW HS regulations	-
Threshold quantity to be secured when left unattended	-
Location compliance certificate	100 kg
Secondary containment and emergency response plan threshold quantity	100 kg
Signage threshold quantity	100 kg
Record keeping requirement (3 kg applied in 24 h period)	Yes
Qualified trained handler for mixing, loading, application	Yes

Additional Controls :

- The substance must not be applied onto or into water.
- LABEL STATEMENT

The person applying this substance must not cause adverse effects beyond the boundary of the treated

property, and must also avoid adverse effects from spray drift occurring.

Additional information: Refer to HS Notices (www.epa.govt.nz) and HSW HS Regulations (www.worksafe.govt.nz)

15.2 ACVM Act 1997

Registration number: P9575

Refer to www.foodsafety.govt.nz for registration conditions.

SECTION 16: OTHER INFORMATION

16.1 Date of preparation or last revision of SDS

SDS issued	8 September 2021
SDS supersedes	Not applicable
Reason issued	New product

16.2 ABBREVIATIONS

ADI	Acceptable Daily Intakes
CAS number	Chemical Abstracts Service Registry Number
CCID	Chemical Classification Identification Database
EPA	Environmental Protection Authority
ErC₅₀	Half maximal Effective Concentration
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
HSNO	Hazardous Substances and New Organisms
HS	Health and Safety
HSR	Hazardous Substances Register
IARC	International Agency for Research on Cancer
LC₅₀	Median Lethal Concentration
LD₅₀	Median Lethal Dose
SDS	Safety Data Sheets
NOAEL	No Observable Adverse Effect Level
NOEL	No Observable Effect Level
NOS	Not otherwise specified
STEL	Short Term Exposure Limit
SWA	Safety Work Australia
TWA	Time-Weighted Average
UN Number	United Nations Number

16.3 REFERENCES

EPA CCID and Approved Substance databases
 PPDB- Pesticides Properties DataBase

16.4 OTHER

OFFICIATE is a trademark of Grosafe Chemicals Limited.

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8 September 2021

End of Safety Data Sheet