



GLOBAL AGRICHEM

SAFETY DATA SHEET

Suite 4, level 1, 38 Whitaker Place, Grafton
Auckland, New Zealand
Tel: +64 09 972 9837
Fax: +64 09 353 1736
info@globalagrlichem.co.nz

Trade name: **SANKEY**

Date of issue: 01 September 2015
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1. Identification of the Substance and Supplier.

Product name: Sankey (Metribuzin 700 WG)
Recommended Use: Selective herbicide for use on various horticultural and agricultural crops.
Company Details: Global Agrichem Limited
Suite 4, level 1, 38 Whitaker Place.
Grafton, Auckland
New Zealand
Web Address: www.globalagrlichem.co.nz
E-mail Address: info@globalagrlichem.co.nz
Telephone number: (09) 972 9837
Emergency Telephone: National Poisons and Hazardous Chemicals Information Centre
Dunedin. Phone: 0800 POISON (0800 764-766)

2. Hazards identification. Classified by EPA as a hazardous substance according to the criteria in the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001.

HSNO Hazard Classification:

6.1D: Acute toxicant - May be harmful if swallowed, inhaled or absorbed through the skin
6.9B: Target organ systemic toxicant. Harmful - May cause organ damage from repeated oral exposure at high doses.
9.1A: Very Toxic to aquatic organisms
9.2A: Very Toxic to the soil environment
9.3B: Toxic to terrestrial vertebrates

Precautions: Keep out of reach of children.
Avoid skin and eye contact and inhalation of dust or spray mist
Avoid contamination of any water supply with product or empty containers

3. Composition/Information on Ingredients

Ingredient	CAS Number	Content (% w/w)
Metribuzin 95%	21087-64-9	73.7
Sodium polynaphthalene sulphonate	9084-06-4	4.5
Polyethylene glycol nonylphenyl ether	9016-45-9	1.5
Other non- hazardous ingredients		To 100%



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4. First aid measures

- First Aid:** For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately.
- Inhalation:** Remove patient to fresh air. Lie patient down and keep warm and rested. Seek medical advice if feeling unwell.
- Ingestion:** Never give anything by mouth to an unconscious person. If swallowed do NOT induce vomiting. Rinse out mouth and give plenty of water to drink. Ingest activated charcoal. Seek medical advice immediately.
- Skin Contact:** Immediately flush body and clothes with large amounts of water. Remove contaminated clothing and footwear. Wash affected areas with soap and water.
- Eye Contact:** Flush eyes with plenty of water for 15 minutes holding eyelids open if necessary. Seek medical advice.
- First Aid Facilities:** No specific facilities required. Standard emergency equipment must be available.
- Advice to Doctor:** Treat symptomatically. Gastric lavage, then charcoal (carbo medicalis) and sodium sulphate.
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5. Fire-fighting measures

- Fire/Explosion hazard:** Non-flammable
- Suitable extinguishing media:** Water spray, carbon dioxide (CO₂), foam, sand.
- Hazards from combustion:** In a fire, hazardous decomposition products may be produced. These include hydrogen cyanide (hydrocyanic acid), carbon monoxide (CO), sulphur dioxide (SO₂) and nitrogen oxides (NO_x).
- Special protective equipment for fire fighters:** Wear full protective clothing and self-contained breathing apparatus.
- Special fire-fighting methods:** Keep upwind. Do not allow run-off from firefighting to enter sewage, effluent systems, drains or water courses.
- Hazchem Code:** 2X
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6. Accidental release measures

- Spills and Disposal:** Exclude non-essential people from the area. Wear suitable protective clothing.



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Contain the spill and sweep up solids without generating dust (use water to dampen). Contain and absorb liquid spills with absorbent material (e.g. sand, soil or absorbent granules) and place in waste containers.
If spill does enter waterways, contact the local authority.
Collect the absorbed spill in an appropriate sealable container for disposal in an approved landfill. Decontaminate the spill area with detergent and water. Absorb with inert material and dispose of waste safely in an approved landfill.

Personal Protection: Ensure suitable personal protection (PPE). Wear goggles, half face-piece respirator with combined dust and vapour cartridge, chemically resistant gloves boots and overalls.

Environmental precautions: Prevent washings from entering surface water drains or waterways. This product is a herbicide, spills can damage crops, pastures and desirable plants. Prevent contamination of soil and water

7. Handling and storage

Precautions for safe handling:

Avoid skin and eye contact and inhalation of dust or spray mist
Approved handler: This product must be under the control of an approved handler if applied in a wide dispersive manner or used by a commercial contractor.
Record keeping: Records of use must be kept if 3kg or more is applied within 24 hours.
Beware: This product is a spray drift hazard and should be applied carefully. Spray drift may cause serious damage to other desirable plants.
When using, do not eat, drink or smoke.
Wash face and hands before eating, drinking or smoking

Conditions for Safe Storage:

Keep out of reach of children.
Store in the original container tightly closed in a locked dry cool area away from Foodstuffs, seeds, feed and fertiliser.
Storage must be in accordance with the current version of NZS 8409 Management of Agrichemicals.
Stores containing 100 kg of Sankey are subject to signage. More than 100 kg requires emergency response plans.

8. Exposure controls/personal protection

Occupational exposure limit values: No EEL values have been set for this product

TEL value for Metribuzin in drinking water: 0.07 mg/litre

WES values:

TWA for Metribuzin: 5mg/m³

TWA for Kaolin: 10mg/m³ inhalable dust

2mg/m³ respirable dust.



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Engineering controls: No special requirements. Product is used outdoors. Handle in well ventilated areas. Generally, natural ventilation is adequate.

Personal Protective Equipment: When opening the container, preparing the spray or applying the product, wear safety goggles, chemically resistant gloves and cotton overalls (worn outside rubber boots). Where insufficient ventilation, use suitable respiratory protection.

Hygiene Measures: Avoid inhalation of vapours, dust or spray mist.
Do not eat, drink or smoke while using this product.
Remove protective clothing and wash hands and face thoroughly before meals and after work.
Wash protective clothing daily after work.

9. Physical and chemical properties

Appearance: Solid - granule
Colour: Beige
Odour: Characteristic odour
Flash Point: Not flammable
pH: 5.0 – 8.0
Water solubility: Dispersible

10. Stability and reactivity

Chemical Stability: Stable under normal conditions of handling and storage.

Conditions to avoid: Incompatible with bases.

Possibility of hazardous reactions: No hazardous reactions when stored and handled according to the label. In a fire, hazardous decomposition products may be produced. These include hydrogen cyanide (hydrocyanic acid), carbon monoxide (CO), sulphur dioxide (SO₂) and nitrogen oxides (NO_x).
Evolution of ammonia under influence of alkaline substances

11. Toxicological information

Acute Toxicity: Toxicology data has not been determined specifically for this product formulation. Data given below is for the active ingredient metribuzen.
Acute oral LD₅₀ (male rat): 510 mg/kg
Acute oral LD₅₀ (female rat): 322 mg/kg
Acute percutaneous LD₅₀ (rats): > 20,000 mg/kg

Ingestion: May be harmful if swallowed, inhaled or absorbed through the skin (Acute toxicant 6.1D)
The formulated product may cause organ damage from repeated oral exposure at high doses.



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Inhalation: Inhalation LC₅₀ (4 h) for rats: > 0.65 mg/litre air (dust)

Sensitisation: Non sensitising to skin.

Eye: Non-irritating to eyes

Skin: Non-irritating to skin

Carcinogenicity: Not known to be carcinogenic.

12. Ecological Information

Ecotoxicity: Very toxic to aquatic life with long lasting effects (9.1A). Avoid contamination of any water supply with product or empty container. Ecotoxicological data has not been determined specifically for this formulated product. Data given below is for the active ingredient Metribuzin.

Environmental Fate: Rapidly degraded in soil (microbial breakdown)
Soil DT₅₀ : Approximately 1-2 months.
Pond water DT₅₀ : Approximately 7 days.

Acute Toxicity to Fish: The formulated product is an aquatic ecotoxicant (9.1A)
Rainbow trout LC₅₀ (96 hour): 74.6 mg/litre
Sheepshead minnow LC₅₀ (96 hour): 85 mg/litre
Golden orfe LC₅₀ (96 hour): 141.6 mg/litre

Acute Toxicity Aquatic Organisms:

Daphnia LC₅₀ (48 h): 49.6 mg/litre
Algae *Scenedesmus subspicatus* E₇C₅₀(5 d): 0.021 mg/litre

Acute Toxicity Vertebrates (Birds): The formulated product is a vertebrate ecotoxicant (9.3B)
Acute oral LD₅₀ bobwhite quail: 164 mg/kg
Acute oral LD₅₀ mallard ducks: 460-680 mg/kg

Acute Toxicity to soil organisms (Worms): The formulated product is a soil ecotoxicant (9.2A)
LC₅₀ *Eisenia foetida*: 331.8 mg/kg dry soil

Acute Toxicity to Terrestrial Invertebrates:
Not toxic to bees.



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13. Disposal considerations

- Product disposal:** Dispose of this product only by using according to the label or at an approved landfill or other approved facility.
- Container disposal:** Triple rinse the empty container adding the rinsate to the spray tank. Recycle if possible, otherwise crush and bury in an approved local authority facility. Avoid contamination of any water supply with product or empty container. Do not use container for any other purpose.
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14. Transport regulations

- Dangerous Goods:** Classified as dangerous goods for transport (9.1A)
- Rail /Road /Sea:** UN Number: 3077
Class: 9
Packaging Group: III
Proper Shipping Name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Metribuzin 70%)
Hazchem: 2X
Segregation: Refer to the latest Land Transport Dangerous Goods Rule 45001
Sea transport may require additional segregation (Refer to NZS5433)
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15. Regulatory information

HSNO Approval Number: HSR101013
HSNO Controls: Refer to www.epa.govt.nz .
ACVM Approval: Registered pursuant to the ACVM Act 1997 No: P9185
ACVM Registration conditions: See: www.foodsafety.govt.nz

16. Other information

- Abbreviations:** ACVM: Agricultural Chemicals and Veterinary Medicines Group.
CAS Number: Chemical Abstracts Service Number
DT₅₀: Time for 50% loss (half-life)
EC₅₀: Median effective concentration
E_rC₅₀: Median effective concentration (growth rate – algae)
EEL: Environmental Exposure Limit
EPA: Environmental Protection Authority of New Zealand
HSNO: Hazardous Substances and New Organisms ACT 1966
LD₅₀: Lethal Dose 50% (Population)
LC₅₀: Lethal Concentration 50% (Population)
TEL: Tolerable Exposure Limit
TWA: Time Weighted Average
WES: Workplace Exposure Standard



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General: Sankey is a selective herbicide for pre- and post-emergence weed control in asparagus, carrots, lentils, lucerne, maize, peas, potatoes and tomatoes. Use only as directed on the label.

This SDS supersedes all previous issues. It summarises our best knowledge of the health and safety hazard information of the product. All users should read this SDS and consider the information in the context of how the product will be handled and used in the workplace, including in conjunction with other products. Since the actual use of this product is beyond the control of Global Agrichem Ltd, we make no warranty, expressed or implied, concerning the use of this product. It is the responsibility of users to ascertain that the product is suitable for intended applications.
