



Material Safety Data Sheet

Tralkoxydim 400 WG

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product trade name: 4Farmers Tralkoxydim 400 WG Herbicide
Other names:
Recommended use: Control of wild oats and other grass weeds in wheat, barley, rye and triticale.
Company name & address: 4Farmers Pty. Ltd.
A.C.N 067 443 485
70 McDowell St, Welshpool, Western Australia, 6106.
Ph: (08) 9356 3445 Fax (08) 9356 3447
643 Murray Street, West Perth, Western Australia, 6005
Emergency telephone number: Australian Centre for Occupational Health and Safety
1800 638 556 (24 hours)

2. HAZARDS IDENTIFICATION

Hazard classification: Hazardous substance according to NOHSC. Non-dangerous goods.
Risk phrases: R22 Harmful if swallowed.
Safety phrases: S20/21 When using do not eat or drink/smoke
S24/25 Avoid contact with skin/eyes
S29/35 Do not empty into drains/Dispose of material and container in a safe way
SUSDP Classification: S5
ADG Classification: Not a dangerous good
UN Number: None allocated

3. COMPOSITION

Substance	CAS Number	% content
Tralkoxydim 97%	87820-88-0	41.3
Sodium sulfate	7757-82-6	20
Magnesium aluminum silicate	1327-43-1	10
Surfactants & wetters		≈ 20
Kaolin	1332-58-7	to 100

4. FIRST AID MEASURES

Inhalation: Of incidental granule dust or spray mist. Remove to fresh air until recovered. If any symptoms develop, seek medical advice.
Skin contact: Remove contaminated clothing. Wash contaminated skin with soapy water. If skin irritation develops, get medical attention. Wash clothing thoroughly before re-use.
Eye contact: Rinse eye(s) with clean running water for 15 mins. Get medical attention.
Ingestion: Rinse mouth. Give water to drink if patient is conscious. DO NOT induce vomiting. If vomiting occurs ensure patient can breathe, then give water to drink. Get medical attention.
Advice to doctor: No specific antidote is known. Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Carbon dioxide, dry chemical, foam, water fog, water stream.
Unsuitable extinguishing media:
Special hazards in fire: Product is not flammable. High temperature may release carbon dioxide, possibly nitrogen oxides.
Required special protective equipment for fire-fighters: Wear self contained breathing apparatus if in enclosed space.
Hazchem code:



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6. ACCIDENTAL RELEASE MEASURES

- Emergency procedures: Wear protective equipment to prevent skin and eyes being affected.
Evacuate unprotected and unnecessary personnel from area of spill.
If material is leaking from a container, stop the leak only if this can be done safely.
Prevent spillage entering drains or watercourse.
- Methods for containment & cleanup: Collect spilled material by sweeping or vacuuming.
Do not create excessive dust.
Dispose of collected material in designated disposal areas.
(If product is still in a pure state it can be used as directed).
Personal protective equipment and clothing should be washed with soapy water.

7. HANDLING AND STORAGE

- Handling: Keep away from food, drink, and animal feedstuff.
KEEP OUT OF REACH OF CHILDREN.
Do not create dust while handling and mixing.
Wear suitable Personal protective equipment when handling and spraying.
- Storage: Store in the original container in a dry, cool, ventilated, LOCKED area.
DO NOT store in prolonged sunlight.
DO NOT store with food, seed, or animal feedstuff.

8. EXPOSURE CONTROLS

- National exposure standards: None set for Tralkoxydim 400 WG. Standard for Kaolin is 10 mg/m³.
- Biological limit values:
- Engineering measures: Use assisted ventilation in enclosed spaces if needed, especially storage areas.
- Personal protection equipment:
- Eye/face protection: Goggles or glasses to AS 1366, AS/NZS1337
- Hand/skin protection: Overalls, PVC gloves and apron.
- Respiratory protection: Should not be necessary under normal conditions. If spray mist may be encountered, a particulate filter to AS/NZS 1715 should be worn.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance: Blue granules.
- Odour: None.
- pH: N/A for solid. Slightly acid in water dispersion.
- Vapour pressure: N/A
- Vapour density: N/A
- Boiling point/range: N/A
- Melting/freezing point: N/A
- Solubility: Granule is fully dispersible in water. Active is slightly soluble.
- Specific gravity - density:
- Flashpoint: N/A
- Explosive limits (air): N/A
- Ignition temperature: N/A
- Other:

10. STABILITY AND REACTIVITY

- Chemical stability: Stable under normal storage conditions, and usual temperatures.
- Conditions to avoid: Excessive heat. Moisture.
- Materials to avoid: Strong oxidising agents, acids, bases.
- Hazardous decomposition products: Could produce carbon monoxide if heated in oxygen deficient atmosphere.
- Hazardous reactions: None.



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11. TOXICOLOGICAL INFORMATION

Acute toxicity: Tralkoxydim LD₅₀ 1259 mg/kg male rat, 934 female.
Chronic toxicity: Tralkoxydim NOEL (90 d) 20.5 mg/kg diet for rats, (1 y) for dogs 5 mg/kg.
Possible routes of exposure: Inhalation of spray mist is the most likely cause of exposure.
Range of effects. Excessive exposure may affect human health as follows:
Skin contact: May cause irritation.
Eye contact: May cause irritation.
Inhalation/ingestion: May irritate respiratory tract, may cause nausea and vomiting.
Dose/conc./conditions likely to cause injury: Some 100 g of granules would need to be ingested for a human to reach a rat equivalent LD₅₀.
ADI is set at 5µg/kg/day for tralkoxydim. This is around ½ granule per day for the life of an average human.

Delayed effects if any:
Relevant negative data: Not known to be mutagenic, carcinogenic, teratogenic.

12. ECOLOGICAL INFORMATION

Ecotoxicity:
Aquatic organisms: Low toxicity to fish eg LC₅₀ (96hr) rainbow trout 7.2 mg/L
Flora: Highly toxic to some grasses, especially Avena spp. Relatively non-toxic to dicots.
Fauna: Non toxic to birds eg LD₅₀ duck > 3000 mg/kg, partridge > 4400 mg/kg.
Soil organisms: Non toxic to worms LC₅₀ (14d) 87 mg/kg.
Bees: Non toxic to bees LD₅₀ > 100 µg/bee.
Long term: Unlikely to be damaging. Rapidly excreted by animals, rapidly degraded in plants and soil.
Ozone effects: None recorded.
Persistence/degradation: (as per Environment Australia www.ea.gov.au)
Mobility: Degrades too rapidly to have serious leaching potential.
Bioaccumulative potential: Unknown but probably low.

13. DISPOSAL CONSIDERATIONS

Product: Whenever possible, product should be used for its intended purpose, even if reclaimed from spillage (reclaimed product must be uncontaminated).
Spillages should otherwise be collected by sweeping into suitable containers and disposed of in approved infill sites.

Containers: Whenever possible, follow directions given on container.
If not available, triple or pressure rinse plastic or metal containers before disposal. Recycle containers if possible (replace cap and return clean containers to recycler or designated collection point). Treat rinsings as for product above.
If not recycling, break, crush or puncture and bury empty containers in a local authority landfill. If no landfill is available, bury the containers below 500 mm 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.

Sewage: Do not dispose of product or rinsings into sewage systems or septic tanks.

14. TRANSPORT INFORMATION

UN Number:
UN proper shipping name:



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ADG Class & subsidiary risks: Not classified as a dangerous good.

ADG Packing Group: N/A

Special precautions: Do not store with foodstuffs.

Hazchem code: N/A

4Farmers does not anticipate that this product will be shipped by air or sea, nor be exported. Extra precautions may apply if such transport is undertaken.

15. REGULATORY INFORMATION

AICS: All of the significant ingredients in this formulation are to be found in the public AICS Database. This product is an Agricultural Chemical registered by the Agricultural Pesticides and Veterinary Medicines Authority.

16. OTHER INFORMATION

This MSDS prepared June 2006.