

SAFETY DATA SHEET

Trade name: **OMNIWETT**

Date of issue 07.03.11

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1. Product and Company identification.

- 1.1 Product name: OMNIWETT (Wetter, spreader)
- 1.2 Company name:
OMNIA
132 Pavilion Drive
Airport Oaks, Auckland Airport
Auckland, New Zealand
Tel: 64 9 257-4030
Fax: 64 9 257-4031
- 1.3 Emergency Telephone Number:
National Poisons and Hazardous Chemicals Information Centre
Dunedin Phone: 0800 POISON (0800 764-766)
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2. Hazards identification

Classified as a hazardous substance.

Classified as Dangerous Goods for Transport: Class 8

Hazard Classification: 3.1D, 6.1C, 8.2B, 8.3A, 6.5A, 6.5B, 6.7A, 6.8B, 6.9B, 9.1A, 9.3B.

WARNINGS:

DANGER: This product is corrosive to the skin and may cause skin burns.

This product is corrosive and may cause eye damage.

WARNING: Combustible liquid.

TOXIC: May be fatal if swallowed, inhaled or absorbed through the skin

May cause respiratory sensitisation.

May cause cancer

Very Toxic to aquatic organisms with long lasting effects

Toxic to terrestrial vertebrates

HARMFUL: May cause sensitization from prolonged skin contact.

May cause organ damage from repeated oral exposure at high doses

May cause reproductive/developmental damage from repeated oral exposure

PRECAUTIONS:

Avoid contact with the eyes.

Avoid skin contact

Avoid inhalation of spray mist.

Avoid contamination of any water supply with product or empty containers

Keep away from sources of ignition

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3 Composition/information on ingredients

Name	Contents	CAS Number	Concentration %
Omniwett	Didecyl dimethyl ammonium chloride	7173-51-5	40
	Nickle (III) Sulphate	7786-81-4	< 4
	Additional adjuvants	various	< 3
	Additional nutrients	various	< 25
	Other non hazardous ingredients	various	to 100

4. First aid measures

- 4.1 After contact with the eyes:
Immediately rinse eyes with running water for at least 15 minutes.
Seek medical attention if symptoms persist.
- 4.2 After contact with the skin:
Remove contaminated clothing. Wash affected area thoroughly with soap and water.
- 4.3 After inhalation:
Remove from exposure to fresh air.
- 4.4 Ingestion: Seek medical attention. If conscious, give 3-4 glasses of water to dilute stomach contents. DO NOT INDUCE VOMITING.
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5. Fire fighting measures

- 5.1 Extinguishing media:
Suitable: Dry powder, water spray, foam.
- 5.2 Special Fire Fighting Procedures:
This product is an aqueous solution with a flash point of 63°C.
Firefighters: Use self contained breathing apparatus
Use water spray to cool unopened containers
- 5.3 Unusual Fire and explosion hazards:
Hazardous products of combustion: Development of toxic gas is possible if involved in a fire.
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6. Accidental release measures

- 6.1 Spills:
Wear appropriate protective equipment and respirator where mists or vapours of unknown concentrations may be generated. Do not allow the product to enter drains, sewers or waterways. Remove leaking containers to a detached area. Bund spill area and absorb spilled product with inert material (e.g. sand, earth etc.)
- 6.2 Disposal: Dispose of waste in accordance with local authority bylaws.

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6.3 Cleaning of Equipment: Clean with water.

7. Handling and storage

7.1 Handling:
Measures to prevent fire and explosion: No special measures required.
Avoid eye and skin contact. Wear chemical type goggles or safety glasses, protective clothing such as impervious gloves (PVC), waterproof hat, coat and trousers.
Wash splashes of concentrate from skin immediately.
Wash protective clothing daily after work.
Do not eat drink or smoke while using.
Remove protective clothing and wash hands and face thoroughly before meals and after work

7.2 Storage:
Store in original container, tightly closed in a locked dry, cool, well ventilated area away from foodstuffs, feeds, seeds, fertilisers, insecticides, or fungicides used for the protection of crops.
Store at temperatures < 60°C
Avoid contamination of drinking water.

8. Exposure controls/personal protection

8.1 Ventilation: In processes where mists or vapours may be generated, proper ventilation must be provided in accordance with good ventilation practices.
Formulated DDAC contains Ethanol (Ethyl alcohol) CAS No 64-17-5. The WES-TWA for ethyl alcohol is 1000 ppm or 1880 mg/ m³ of air

8.2 Wash splashes of concentrate from skin immediately.
Wash protective clothing daily after work.
Do not eat drink or smoke while using.
Remove protective clothing and wash hands and face thoroughly before meals and after work

8.3 Personal protective equipment:
Eye protection: Safety glasses/ goggles
Hand protection: PVC gloves
Skin and body protection: Protective clothing: Waterproof hat, coat and trousers and boots.

9. Physical and chemical properties

Appearance (Form):	Hazy brown liquid
Odour:	Slight
Flash point (°C):	63
Specific Gravity at 20°C:	0.985
Solubility in water:	Dispersible
pH:	3.75 (neat)

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10. Stability and reactivity

- 10.1 Stability: Stable under normal operating conditions.
- 10.2 Materials to avoid: Nil.
- 10.3 Hazardous decomposition products: May produce toxic gas if heated to decomposition.
- 10.4 Dangerous reactions: None.
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11. Toxicological information

- 11.1 Health Effects: Toxic if swallowed.
Eye: Corrosive.
Skin: Corrosive. Sensitising may occur from prolonged contact.
HSNO Classification: DDAC - Flammable liquid
Acute toxicant
Skin corrosive
Eye corrosive
Contact sensitiser
Nickel sulphate - Respiratory sensitiser
Contact sensitiser
Suspected carcinogen
Target organ systemic toxicant
Reproductive/Developmental toxicant
- 11.2 Acute oral toxicity (DDAC a.i.) - LD50 rat 450 mg/kg
LD50 rat (male) 412 mg/kg
LD50 rat (female) 292 mg/kg

Acute dermal toxicity (DDAC a.i.) - LD50 rabbit 3342 mg/kg.
- 11.3 Target organs: Respiratory system - Nickel sulphate is classified as 6.9B (target organ systemic toxicant)
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12. Ecological Information

- 12.1 Very Toxic to aquatic life with long lasting effects (Class 9.1A). Do not release into the environment. Toxic to terrestrial vertebrates (Class 9.3C)
- 12.2 Persistence: Not expected to bioaccumulate as the main component is biodegradable.
- 12.3 Aquatic toxicity: DDAC - LC50 (salmon 96 hour): 1.0 mg/l a.i.
- LC50 (bluegill sunfish 96 hour): 0.32 mg/l a.i.
- LC50 (mysid shrimp 96 hour): 0.069 mg/l a.i.
- LC50 (daphnia magna 48 hour): 0.94 mg/l a.i.
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13. Disposal considerations

Disposal of waste: Dispose in accordance with local authority bylaws. May be washed with plenty of water onto soils

Disposal of empty container: Triple rinse the empty container adding rinsate to the spray tank. Recycle the container if possible otherwise crush and bury the container in a suitable landfill. Do not use the container for any other purpose.

14. Transport regulations

Dangerous Goods Class:	8
Subsidiary Class:	3
UN No:	UN2920
Correct Shipping Name:	CORROSIVE LIQUID FLAMMABLE, N.O.S (Didecyl dimethyl ammonium chloride cont Ethanol)
HAZCHEM:	3W
Packing Group:	II

15. Regulatory information

HSNO Approval No: HSR002507
Group Standard 2006: Additives, Process Chemicals & Raw Materials (Toxic [6.1 + 6.7], Corrosive, combustible)

Hazardous Property Classification:
3.1D (flammable liquid)
6.1C (acute toxicant)
8.2B (skin corrosive)
8.3A (eye corrosive)
6.5A (sensitiser)
6.5B (contact sensitiser)
6.7A (carcinogen)
6.8B (reproductive/developmental toxicant)
6.9B (target organ systemic toxicant)
9.1A (aquatic ecotoxicant)
9.3B (vertebrate ecotoxicant)

HSNO Controls: See [http://www.ermanz.govt.nz/Publications/gs-additives-toxic\[6.1+6.7\]-corrosive-combustible.pdf](http://www.ermanz.govt.nz/Publications/gs-additives-toxic[6.1+6.7]-corrosive-combustible.pdf)

Exempt from registration under the ACVM Act 1997: Wetter, spreader

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16. Other information

16.1 Abbreviations:

DDAC:	Didecyl dimethyl ammonium chloride
HSNO:	Hazardous substances and New Organisms Act 1996 (HSNO Act)
ERMA:	Environmental Risk Management Authority New Zealand
ACVM:	Agricultural Chemicals and Veterinary Medicines
CAS Number:	Chemical Abstracts Service Number
WES:	Workplace Exposure Standard
TWA:	Time Weighted Average

LD ₅₀ :	Lethal Dose 50% (Population)
LC ₅₀ :	Lethal Concentration 50% (Population)

EC ₅₀ :	Effective Concentration 50% (Population)
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16.2 General: OMNIWETT is a wetter, spreader for horticultural use: 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 Omnia, 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.
