
SAFETY DATA SHEET

Trade name: **Omniwett**

Date of Issue: 02/12/2016
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1. Product and Company identification.

Product name: **Omniwett**

Product use: Wetter, Spreader

Company Details: Chengeta Crop Care
2/31 Station Road
Penrose, Auckland
New Zealand
Phone: (09) 257 4030
www.chengeta.co.nz

Registered to:- Omnia Specialties NZ Ltd, P.O. Box 217078, Botany Junction, Auckland 2164.
2/31 Station Road, Penrose, Auckland 1061

Emergency Telephone Number:
National Poisons and Hazardous Chemicals Information Centre
Dunedin Phone: 0800 POISON (0800 764-766)
24 hr Emergency Response: 0800 CHEMCALL (0800 243 622)

2. Hazards identification

**Classified as a hazardous substance.
Classified as Dangerous Goods for transport – Class 8**

This product is approved under the Hazardous Substances and New Organisms Act (HSR002571, Fertilisers (Subsidiary Hazard) Group Standard 2006).

Hazard classification:

3.1D: Flammable liquid - low hazard
6.1C: Acute toxicant - Warning, harmful if swallowed, inhaled or absorbed through the skin
6.5A: Substances that are respiratory sensitisers
6.5B: Substances that are contact sensitisers
6.7A: Substances that are known or presumed human carcinogens
6.8B: Substances that are suspected human reproductive or developmental toxicants
6.9B: Substances that are harmful to human target organs or systems
8.2B: Substances that are corrosive to dermal tissue UN PGII
8.3A: Substances that are corrosive to ocular tissue
9.1A: Substances that are very ecotoxic in the aquatic environment
9.3B: Substances that are ecotoxic to terrestrial vertebrates

Precautions:

Avoid contact with the eyes.
Avoid contact with the skin.
Avoid inhalation of spray mist.
Avoid contamination of any water supply with product or empty container.
Keep away from sources of ignition.

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3. Composition/information on ingredients

Ingredient	CAS Number	Concentration % w/w
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

Eye contact: Wash out with water for 15 minutes.
Seek medical attention if symptoms persist.

Skin contact: Remove contaminated clothing. Wash affected area thoroughly with water.

Inhalation: Remove from exposure to fresh air.

Ingestion: If conscious, give 3 – 4 glasses of water to dilute stomach contents.
Do Not Induce Vomiting.

5. Fire fighting measures

Hazards: Not combustible / Non flammable

Extinguishing media: Dry chemical, water spray, foam.

HazChem Code: N/A

Special Fire Fighting Procedures: This product is an aqueous solution with a flash point of 630 C.
Firefighters: Use self-contained breathing apparatus. Use water spray to cool unopened containers.

Unusual Fire and explosion hazards:
Development of toxic gas is possible if involved in a fire.

6. Accidental release measures

Spills: Wear appropriate protective equipment and respirator where mists or vapours of unknown concentrations may be generated.
Large amounts: Do not allow the product to enter drains, sewers or waterways. Remove leaking containers to a detached area. Bund spill area. Absorb spilled product with inert material (e.g. sand, earth etc.)

Disposal: Dispose of waste in accordance with local authority bylaws.

Cleaning of equipment: Wash with clean water.

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7. Handling and storage

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

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

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
Respiratory protection: N/A.

Ventilation: In processes were 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.

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

9. Physical and chemical properties

Appearance:	Aqueous liquid
Colour:	Hazy brown liquid
Odour:	Slight
Boiling point (°C):	>100°C
Flash point (°C):	63
Max. % volatile:	N/A
Density at 20°C, g/ml:	
Specific Gravity at 20°C	0.985
Solubility in water:	Dispersible
pH:	3.75

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10. Stability and reactivity

Stability: Stable under normal operating conditions.

Materials and conditions to avoid: Nil

Hazardous decomposition products: May produce toxic gas if heated to decomposition.

Dangerous reactions: None.

11. Toxicological information

Health Effects:

Swallowed: Toxic if swallowed.

Eye: Corrosive.

Skin: Corrosive. Sensitising may occur from prolonged contact.

Inhaled: Does not give off vapour.

HSNO Classification: DDAC - Flammable liquid
Acute toxicant
Skin corrosive
Eye corrosive
Contact sensitiser
Nickle sulphate - Respiratory sensitiser
Contact sensitiser
Suspected carcinogen
Target organ systemic toxicant
Reproductive/Developmental toxicant

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.

Target organs: Respiratory system - Nickle sulphate is classified as 6.9B
(target organ systemic toxicant)

12. Ecological Information.

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)

Persistence/degradability: Not expected to bioaccumulate as the main component is biodegradable.

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

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

Disposal of empty container: Triple rinse then send to drum recycling facility. Alternatively crush and bury the container in a suitable landfill. Do not use the container for any other purpose.

14. Transport regulations.

U.N. Number: UN2920.

Proper shipping name: CORROSIVE LIQUID FLAMMABLE, N.O.S
(Didecyl dimethyl ammonium chloride cont Ethanol)

HAZCHEM: 3W

Dangerous goods class: 8

Subsidiary Class 3

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

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)

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.
