

Champion++®

Infosafe No.: 3NUV8
ISSUED Date : 26/03/2026
ISSUED by: Nufarm NZ

Section 1 - Identification

Product Identifier

Champion++®

Product Code

02578

Product Type

Fungicide

Company Name

Nufarm NZ

Address

Central Park, Building 3, Level 4, 666 Great South Road Ellerslie
Auckland 1051 New Zealand

Telephone/Fax Number

Tel: 0-9-270 4150

Emergency Phone Number

0800 651 911

Email

nzinfo@nufarm.com

Recommended uses and any restrictions on use or supply

A protective copper fungicide/bactericide for the control of many diseases of fruit, vegetables and forestry.

Other Information

This SDS describes, to the best of our knowledge, the properties of the concentrated product. The physical properties and some of the assessments do not apply to the properties of the product once it has been diluted for application. Acute health effects of the diluted product are likely to be much less severe.

Section 2 - Hazard(s) Identification

GHS classification of the substance/mixture

Acute oral toxicity: Category 4

Serious eye damage Category 1

Skin sensitization: Category 1

Specific target organ toxicity – repeated exposure: Category 2

Hazardous to the terrestrial environment: Hazardous to terrestrial vertebrates

Hazardous to the aquatic environment acute Category 1

Hazardous to the aquatic environment chronic Category 1

Signal Word (s)

DANGER

Hazard Statement (s)

H302 Harmful if swallowed.

H317 May cause an allergic skin reaction.

H373 May cause damage to lungs through prolonged or repeated exposure.

H318 Causes serious eye damage.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H433 Harmful to terrestrial vertebrates.

Precautionary statement – General

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read carefully and follow all instructions.

Pictogram (s)

Corrosion, Health hazard, Environment



Precautionary Statement – Prevention

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P264 Wash hands and face thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

Precautionary Statement – Response

P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

P302+P352 IF ON SKIN: Wash with plenty of water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor.

P314 Get medical advice/attention if you feel unwell.

P330 Rinse mouth.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P363 Wash contaminated clothing before reuse.

P391 Collect spillage.

Precautionary Statement – Disposal

P501 Dispose of contents/container to an approved landfill.

Section 3 - Composition and Information on Ingredients

Chemical Characterization

Solid

Ingredients

Name	CAS	Proportion
Kaolin clay	1332-58-7	0-15%
Ingredients determined to be non-Hazardous		To balance
Copper (present as Copper Hydroxide)	20427-59-2	300g/kg

Section 4 - First Aid Measures

First-aid Measures

For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. Begin artificial respiration if the victim is not breathing. Use mouth-to-nose rather than mouth-to-mouth. Obtain medical attention.

Inhalation

Remove patient to fresh air. Lay down and keep warm and rested. If breathing is shallow or has stopped ensure airway is clear and apply resuscitation. Seek medical assistance immediately.

Ingestion

Never give anything by mouth to an unconscious person. If swallowed do NOT induce vomiting. For advice, contact the National Poisons Centre (0800 764 766). Seek medical assistance immediately.

Skin

Immediately flush body and clothes with large amounts of water. Remove contaminated clothing and footwear. Wash affected areas with soap and water. If a large area is affected seek medical assistance.

Eye

Flush eyes with plenty of water for 15 minutes holding eyelids open if necessary. Remove contact lenses, if present and easy to do so. Seek medical assistance.

First-aid Facilities

Facilities storing or utilizing this material should be equipped with an eyewash facility and safety shower.

Advice to Doctor

Treat symptomatically.

Section 5 - Firefighting Measures

Suitable Extinguishing Media

Choose extinguishing media to suit the burning material.

Water fog, foam, carbon dioxide or dry chemical.

Hazards from Combustion Products

Decomposes to CuO and H₂O above 60°C. May produce oxides of carbon, nitrogen and sulphur.

Special protective equipment for fire-fighters

Full protective clothing and self-contained breathing apparatus.

Specific Methods

Keep up wind. Do not allow washings to reach sewage or effluent systems.

Hazchem Code

2Z

Decomposition Temperature

Information is not available.

Other Information

Location Certificate: Not applicable

Hazardous Atmosphere Zone: Not applicable

Number of Fire Extinguishers: Not applicable

Section 6 - Accidental Release Measures

Spills and Disposal

Wear protective clothing. Clear area of unprotected personnel. Sweep up solids without generating dust (use water to dampen). Contain and absorb liquid spills with inert material and place in waste containers. If spill does enter waterways contact the local authority. Collect in an appropriate sealable container for disposal in an approved landfill.

Personal Protection

For appropriate personal protective equipment (PPE), refer Section 8.

Environmental Precautions

Prevent from entering drains, waterways or sewers.

Section 7 - Handling and Storage

Precautions for Safe Handling

The person mixing or applying CHAMPION++ must be a "Qualified Contractor" or a "Qualified Person". The spray mixture may also be prepared by a "Qualified Loader". It is the duty of the PCBU that a person who uses, handles, manufactures or stores a hazardous substance (including hazardous waste) is provided information, instruction and training in accordance with Regulation 4.5 of the Health and Safety at work (Hazardous Substances) Regulations 2017.

Avoid skin and eye contact and inhalation of spray mist.

This product must not be applied onto or into water.

CERTIFIED HANDLER: Is not required.

TRACKING: Is not required.

RECORD KEEPING: Records of use as described in NZS8409 Management of Agrichemicals, must be kept if 3kg or more of CHAMPION++ is applied within 24 hours. Records must be kept for a minimum of 3 years from application date.

Conditions for safe storage, including any incompatibilities

Store in original container tightly closed and in a locked, dry, cool area away from foodstuffs. Storage must be in accordance with NZS 8409 Management of Agrichemicals.

Keep out of reach of children.

Stores containing 100kg of CHAMPION++ are subject to signage, and more than 100kg require emergency response plans.

Other Information

Always read the label and any attached leaflet before use.

Aggregate Storage Volume Thresholds:

When stored with substances of the same hazard classification the aggregate quantity must be considered. For full details refer to the current NZS8409 Management of Agrichemicals and the HSNO Regulations.

Section 8 - Exposure Controls and Personal Protection

Occupational Exposure Limits (OEL)

WES TWA for copper dusts and mists, as Cu = 0.01 mg/m³

No exposure limits (WES, TEL or EEL's) have been specifically assigned for this product.

WES TWA for Kaolin=10 mg/m³ inhalable dust and 1 mg/m³, respirable dust.

Appropriate Engineering Controls

Handle in well ventilated areas, generally natural ventilation is adequate.

Personal Protective Equipment

safety goggles,

When opening the container, preparing spray and using the prepared spray wear

impervious gloves,

waterproof hat, coat and trousers (worn outside rubber boots)

Hygiene Measures

Do not eat, drink or smoke while using.

Remove protective clothing and wash hands and face thoroughly before meals and after work. Wash protective clothing daily after work.

Section 9 - Physical and Chemical Properties

Properties	Description	Properties	Description
Form	Solid	Appearance	Dark green, ultra fine granules.
Odour	Information is not available.	Decomposition Temperature	Information is not available.
Melting Point	Decomposes without melting for active ingredient copper.	Solubility in Water	Disperses in water.
pH	9.0 - 10.5 (1% solution)	Vapour Pressure	Information is not available.
Vapour Density (Air=1)	Information is not available.	Odour Threshold	Information is not available.
Partition Coefficient: n-octanol/water	Kow logP = 0.44 for active ingredient copper.	Flash Point	Information is not available.
Flammability	Not Flammable.	Auto-Ignition Temperature	Information is not available.
Flammable Limits - Lower	Information is not available.	Flammable Limits - Upper	Information is not available.
Initial boiling point and boiling range	Information is not available.	Kinematic Viscosity	Information is not available.
Particle Characteristics	Information is not available.	Relative Density	3.717 (20°C) for active ingredient copper.

Other Information

(WG) Water Dispersible Granule

Section 10 - Stability and Reactivity

Chemical Stability

Stable under normal conditions of handling and storage.

Conditions to Avoid

Excessive heat.

Incompatible Materials

Strong oxidising agents,alkalis,acids and sulfur.

Hazardous Polymerization

Hazardous polymerisation will not occur.

Section 11 - Toxicological Information

Toxicology Information

No harmful effects are expected if the precautions on the label and this SDS are followed.

No specific toxicological data is available for this product. Data below is for constituents.

Acute Toxicity - Oral

LD50(rat) 489-1280mg/kg for active ingredient copper.

Acute Toxicity - Inhalation

LC50 (4hr) 0.56mg/L for active ingredient copper.

Acute Toxicity - Dermal

LD50 (rabbit) >3160mg/kg for active ingredient copper.

Ingestion

Slightly toxic by oral exposure. This material may produce toxicity if ingested in large quantities. Symptoms of over-exposure may include irritation of the gastrointestinal tract, nausea, vomiting, salivation, abdominal pain, hemorrhagic gastritis, diarrhoea, capillary damage, liver and kidney damage and central nervous system depression, which, if severe enough, may lead to death.

Inhalation

Slightly toxic by inhalation. Excessive exposure to copper fume may result in metallic taste, nausea, vomiting, and metal fume fever with chills, fever, aching muscles, dry throat and headache.

Skin Corrosion/Irritation

Mild skin irritant. Excessive exposure, especially if prolonged, may produce skin irritation. Repeated exposure may cause itching, erythema (redness) and allergic contact dermatitis. Not a skin absorption hazard.

Serious Eye Damage/Irritation

Severely irritating and corrosive to eyes. May cause severe irritation with possible reversible corneal opacification.

Skin Sensitisation

Skin sensitizer. May cause an allergic skin reaction.

Germ Cell Mutagenicity

Information is not available.

Carcinogenicity

Information is not available.

Reproductive Toxicity

Information is not available.

STOT - Single Exposure

Information is not available.

STOT - Repeated Exposure

May cause damage to lungs through prolonged or repeated exposure.

Subchronic/Chronic Toxicity

Target organ toxicant - Lungs

Chronic Effects

Low chronic toxicity unless excessive exposure is encountered. Repeated ingestion of copper salts may result in anaemia, liver, and kidney damage. Chronic inhalation exposure may cause a metallic taste in the mouth, irritation of the upper respiratory tract such as the nasal mucosa that may progress to perforation of the nasal septum. Chronic cough may also occur. Copper hydroxide, which comprises 53.8% of this product, governs the toxicity of the product. The remaining components have low to negligible toxicity.

Other Information

The Australian Acceptable Daily Intake (ADI) for copper for a human is 0.2 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of Unknown mg/kg/day, the level determined to show no effects during long term exposure for the most sensitive indicators and the most sensitive species. (Ref: Aust Govt Dept. of APVMA, "ADI List", Edition 1/2024).

Section 12 - Ecological Information

Persistence and degradability

Copper hydroxide is not rapidly degradable.

Mobility

Information is not available.

Environmental Fate

The degree of mobility of copper in the environment depends upon the pH of ambient soils and waters. The higher the acidity, the more soluble copper salts are and, hence, the more mobile. Partitioning of copper into air is negligible due to the low vapour pressure of copper salts.

Bioaccumulative Potential

Information is not available.

Basis for Assessment

Ecotoxicological data have not been determined specifically for this product.

Data below is for the active ingredient unless otherwise stated.

Acute Toxicity - Fish

LC50 (96h) rainbow trout = 10mg Cu/L for active ingredient copper.

Acute Toxicity - Daphnia

EC50 (48h) = 0.0422mg Cu/L for active ingredient copper.

Acute Toxicity - Algae

EC50 = 22.5 mg Cu/L for active ingredient copper.

Acute Toxicity - Other Organisms

Worms: LC50 (14d) >677.3 mg/kg soil for active ingredient copper.

Bees: LD50 (oral) = 49µg Cu/bee ; (contact) = 42.8µg Cu/bee for active ingredient copper.

Section 13 - Disposal Considerations

Product Disposal

Dispose of product only by using according to the label, or at an approved landfill.

Container Disposal

Ensure container is completely empty. Burn in an appropriate incinerator if circumstances, such as wind direction, permit. Otherwise crush and bury in an appropriate landfill.

Section 14 - Transport Information

Transport Information

It is good practice not to transport agricultural chemical products with food, food related materials and animal feedstuffs.

UN Number

3077

Proper Shipping Name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(copper)

Hazard Class

9

Hazchem Code

2Z

Packaging Method

-

Packing Group

III

EPG Number

-

ANZ-ERG Guide Number

47

IMO Marine Pollutant

Yes. Environmentally Hazardous Substance mark required.

IMDG EMS

F-A, S-F

Other Information

Do not carry this product on a passenger service vehicle.

Segregation: Check the latest Land Transport Rule Dangerous Goods Rule 45001 for additional information. Sea transport may require additional segregation. Refer NZS5433 sea segregation for details.

Section 15 - Regulatory Information

National and or International Regulatory Information

Registered pursuant to the ACVM Act 1997, No. P9228

See www.foodsafety.govt.nz for registration conditions

Approved pursuant to the HSNO Act 1996, Approval Code HSR000739

See www.epa.govt.nz for approval controls.

Packaging and Labelling

KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

Section 16 - Any Other Relevant Information

Date of preparation or last revision of SDS

SDS Revised: March 2026

Supersedes: October 2024

Contact Person/Point

IN AN EMERGENCY, DIAL 111 - FIRE OR POLICE

24Hr Tollfree Emergency No: 0800 651 911

24Hr Emergency No: National Poisons Centre Phone: 0800 764 766

Revisions Highlighted

Updated the Workplace Exposure Standard (WES-TWA) for Copper (dusts and mists) from $1\text{mg}/\text{m}^3$ to $0.01\text{mg}/\text{m}^3$ (respirable fraction), and for Kaolin (NZ) from $2\text{mg}/\text{m}^3$ to $1\text{mg}/\text{m}^3$ (respirable dust) to reflect the latest WorkSafe New Zealand guidance (15th Edition) and ensures compliance with HSNO Approval HSR000739 conditions.

END OF SDS

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