

SAFETY DATA SHEET



Revision date: 18-Jul-2025

Revision Number 1

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product identifier

Product Name Copper Concentrate

Product Code(s) 51137 & 51138

Other means of identification

CAS No. Mixture

Recommended use of the chemical and restrictions on use

Recommended use Animal food additive.

Uses advised against No information available.

Details of the supplier of the safety data sheet

Supplier

Vitapower Limited

NZBN: 9429036796083

Address: 120 Pukiti Drive, PO Box 448, Wanganui, 4540 New Zealand

Telephone Number: +64 6 349 1005

For further information, please contact

Contact Point info@vitapower.co.nz

Emergency telephone number

Emergency Telephone 0800 848 276 (ALL HOURS)

Please ensure you refer to the limitations of this Safety Data Sheet as set out in the "Other Information" section at the end of this Data Sheet.

2. HAZARDS IDENTIFICATION

Not classified as a Dangerous Good under NZS 5433 Transport of Dangerous Goods on Land; NON-DANGEROUS GOODS.

Classified as hazardous according to criteria in the Hazardous Substances (Hazard Classification) Notice 2020.

GHS Classification

SIGNAL WORD

DANGER

Animal Nutritional and Animal Care Products Group Standard 2020

Approval Number: HSR002521

Skin corrosion or irritation	Category 2
Serious eye damage or eye irritation	Category 2
Respiratory or skin sensitisation	Category 1
Specific target organ sensitivity (oral, dermal, inhalation)	Category 1
Hazardous to the aquatic environment	Category 4

Label elements**Hazard statements**

H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H372	May cause damage to organs through prolonged or repeated exposure
H401	Toxic to aquatic life

Precautionary Statements - Prevention

P103	Read label before use
P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264	Wash eyes thoroughly after handling.
P270	Do not eat, drink or smoke when using this product
P273	Avoid release to the environment
P280	Wear protective gloves / protective clothing / eye protection / face protection
P281	Use personal protective equipment as required

Precautionary Statements - Response

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
P308 + P313	If exposed or concerned: Get medical advice/attention
P314	Get medical advice if you feel unwell
P333 + P313	If skin irritation or rash occurs: get medical advice/attention
P337 + P313	If eye irritation persists: Get medical advice/attention
P362 +P363	Take off contaminated clothing. Wash contaminated clothing before reuse

Precautionary Statements - Storage

P405	Store locked up
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Precautionary Statements - Disposal

P501	Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable
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Other hazards which do not result in classification**3. COMPOSITION/INFORMATION ON INGREDIENTS****Substance**

Chemical name	CAS No.	Weight-%
Copper EDTA	14025-15-1	10-30%
Other ingredients determined not to be hazardous	-	Balance

4. FIRST AID MEASURES

Description of first aid measures

General advice	For advice, contact a Poisons Information Centre or a doctor.
Emergency telephone number	Poisons Information Center, New Zealand: 0800 764 766
Inhalation	Remove to fresh air. If breathing is difficult, (trained personnel should) give oxygen. Give artificial respiration if victim is not breathing. Get medical attention immediately if symptoms occur.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Remove contact lenses, if present and easy to do. Continue rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.
Skin contact	Wash off immediately with warm soapy water for at least 15 minutes. Get medical attention if irritation develops and persists. Take off contaminated clothing and wash it before reuse.
Ingestion	Clean mouth with water and drink plenty of water afterwards. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, lean patient forward or place on left side to maintain an open airway and prevent aspiration. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur.
Self-protection of the first aider	Avoid contact with skin, eyes, and clothing. Wear personal protective clothing (see section 8).

Most important symptoms and effects, both acute and delayed

Symptoms	Irritation. May cause redness and tearing of the eyes.
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Indication of any immediate medical attention and special treatment needed

Note to physicians	Treat symptomatically.
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5. FIRE FIGHTING MEASURES

Special firefighting instructions

Suitable extinguishing media	Based on surrounding materials.
Unsuitable extinguishing media	No information available.
Specific hazards arising from the chemical	Not applicable.
Hazardous products of combustion	Fire may produce irritating or toxic gases under extreme fire conditions.
Special protective equipment for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

Personal precautions, protective equipment and emergency procedures

Personal precautions	Avoid contact with skin and eyes. Do not breathe dust. Ensure adequate ventilation. Do not touch or walk through spilled material. Stop leak if you can do it without risk. Do not eat, drink or smoke when using this product. Use personal protective equipment as required. Wash thoroughly after handling.
Other information	Refer to protective measures listed in Sections 7 and 8.
For emergency responders	Use personal protection recommended in Section 8.

Environmental precautions

Environmental precautions Prevent further leakage or spillage if safe to do so. Prevent entry into drains and waterways.

Methods and material for containment and cleaning up

Methods for containment Spill or leak should be isolated immediately. Keep unauthorised personnel away. Prevent further leakage or spillage if safe to do so. Contain run-off from fire control or dilution water – run-off may cause pollution.

Methods for cleaning up Dilute with water and mop up or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements. Use appropriate personal protective equipment (PPE).

Precautions to prevent secondary hazards

Prevention of secondary hazards Ventilate spillage area. Clean contaminated objects and areas thoroughly observing environmental regulations.

7. HANDLING AND STORAGE**Precautions for safe handling**

Advice on safe handling Obtain special instructions before use. Do not breathe dust. Ensure adequate ventilation. Use personal protection equipment. Safety showers and eyewash facilities should be provided within the immediate work area for emergency use. Wear protective gloves / protective clothing / eye protection / face protection and suitable respirator (see Section 8).

General hygiene considerations Avoid contact with eyes. Wash eyes and hands thoroughly after handling. Do not eat, drink or smoke when using this product.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed out of direct sunlight. Keep out of reach of children. Store locked up.

Incompatible materials Galvanized iron.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters**

Exposure Limits Not available

Appropriate engineering controls

Engineering controls Provide exhaust ventilation or other engineering controls to keep airborne concentrations of vapours below their respective threshold limit value. If achieving safe exposure levels does not require engineering controls, then a detailed and documented risk assessment using the relevant Personal Protective Equipment (PPE) (refer to PPE section below) as a basis must be carried out to determine the minimum PPE requirements.

Individual protection measures, such as personal protective equipment

The selection of PPE is dependent on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.

OVERALLS, SAFETY SHOES, CHEMICAL GOGGLES, GLOVES



Eye/face protection	Safety/chemical goggles.
Hand protection	Handle with impervious gloves.
Skin and body protection	Wear suitable protective clothing to avoid skin contact. Boots. Overalls.
Respiratory protection	Not stated
Environmental exposure controls	No information available.

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

Physical state	Liquid
Appearance	Oily liquid
Colour	Blue
Odour	No noticeable odour
Odour threshold	No information available.

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	3.0 – 4.5	None known
Melting point / freezing point	No data available	None known
Boiling point / boiling range	No data available	None known
Flash point	Not applicable	None known
Evaporation rate	No data available	None known

Upper flammability or explosive limits	No data available	None known
Lower flammability or explosive limits	No data available	None known
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Specific Gravity	1.12	None known
Water solubility	Not Soluble	None known
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known

Other information**10. STABILITY AND REACTIVITY**Reactivity

Reactivity Hygroscopic.

Chemical stability

Stability Stable under recommended storage conditions.

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

Conditions to avoid

Conditions to avoid Moisture. Avoid generating dust. Avoid excessive heat and sunlight.

Incompatible materials

Incompatible materials Strong acids, borane/boron oxide, zinc, calcium oxide, methyl vinyl ether, strong oxidizing agents. Water.

Hazardous decomposition products

Hazardous decomposition products Calcium oxide. Hydrogen chloride. Carbon oxides. Nitrogen oxides. Metal oxides.

11. TOXICOLOGICAL INFORMATIONAcute toxicityInformation on likely routes of exposure

Product Information No adverse health effects expected if the chemical is handled in accordance with this Safety Data Sheet and the chemical label. Symptoms or effects that may arise if the chemical is mishandled and overexposure occurs are:

Inhalation May cause respiratory irritation

Eye contact	Causes serious eye irritation.
Skin contact	Causes skin irritation and may cause allergic reactions
Ingestion	Product is not acutely toxic.
STOT - repeated exposure	May cause damage to organs through prolonged or repeated exposure.

Symptoms Irritation. May cause redness and tearing of the eyes.

Acute toxicity

Numerical measures of toxicity

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Copper Chelate	> 890 mg/kg	> 2000 mg/kg (Rat)	>5.32g / m ³

See section 16 for terms and abbreviations

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity Keep out of waterways.

Terrestrial ecotoxicity There is no data for this product.

Chemical name	Algae/aquatic plants	Fish	Crustacea
Copper Chelate	662.6mg/L	555mg/L	109.2mg/L

Persistence and degradability

Mobility No information available.

Bioaccumulation Not thought to bioaccumulate.

Other adverse effects No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste from residues/unused products	Dispose of product in packaging/container in a way that is consistent with the Hazardous Substances (Disposal) Notice 2017 and the Act, and Hazardous Substances (Amendments and Revocations) Notice 2020.
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT

Not classified as a Dangerous Good under NZS 5433 Transport of Dangerous Goods on Land; NON-DANGEROUS GOODS.

IATA

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; NON-DANGEROUS GOODS.

IMDG

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; NON-DANGEROUS GOODS.

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

New Zealand	HSR002521 Animal Nutritional and Animal Care Products Group Standard 2020
National regulations	See section 8 for national exposure control parameters The Agricultural Compounds and Veterinary Medicines Act 1997 is applicable to this substance

International Inventories

NZIoC	The components of this product are listed on the New Zealand Inventory of Chemicals.
TSCA	Not determined. Contact supplier for inventory compliance status.
DSL/NDSL	Not determined. Contact supplier for inventory compliance status.
EINECS/ELINCS	Not determined. Contact supplier for inventory compliance status.
ENCS	Not determined. Contact supplier for inventory compliance status.
IECSC	Not determined. Contact supplier for inventory compliance status.
KECL	Not determined. Contact supplier for inventory compliance status.
PICCS	Not determined. Contact supplier for inventory compliance status.
AIIC	The components of this product are listed on the Australian Inventory of Industrial Chemicals.

Legend:

NZIoC - New Zealand Inventory of Chemicals
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AIIC - Australian Inventory of Industrial Chemicals

International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

16. OTHER INFORMATION

Supplier Safety Data Sheet 06/ 2025

Prepared By This Safety Data Sheet has been prepared on behalf of Vitapower Limited

Issuing Date: 20-Jun-2025

Reason(s) For Issue: Initial / Primary SDS
Determination of Hazardous Chemical Classification

Revision Note:

None

Key or legend to abbreviations and acronyms used in the safety data sheet**Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation
C	Carcinogen		

Key literature references and sources for data used to compile the SDS

EPA (Environmental Protection Agency)

Acute Exposure Guideline Level(s) (AEGL(s))

Hazardous Substance Database

NIOSH (National Institute for Occupational Safety and Health)

New Zealand's Chemical Classification and Information Database (CCID)

Disclaimer

This SDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Vitapower Limited cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.

If clarification or further information is needed, the user should contact their Vitapower representative or Vitapower Limited at the contact details on page 1.

Vitapower Limited's responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request.

End of Safety Data Sheet