

VALAGRO Safety data Sheet  
Date: 13/09/2021 Rev. 1.0  
Product: OPIFOL VEGETATIVE  
Code: 2598  
Print Date: September 13, 2021

## SAFETY DATA SHEET

### OPIFOL VEGETATIVE

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Mixture identification:

Trade name: OPIFOL VEGETATIVE

Trade code: 2598

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use:

Fertilizer

1.3. Details of the supplier of the safety data sheet

AGRITRADE

1 Robin Mann Place

Christchurch Airport

Christchurch 8053

New Zealand

Ph 03 341 4587

Fax 03 341 4584

Free Phone 0800 333 855

[agritrade@nzagritrade.co.nz](mailto:agritrade@nzagritrade.co.nz)

1.4. Emergency telephone number:

Emergency number : 24 Hour Emergency Contact: 0800 CHEMCALL (0800 243622)

NZ POISON CENTRE CONTACT : 111 Police, Ambulance and Fire Brigade (available in New Zealand only)  
0800 764 766 (National Poisons Information Centre)

#### SECTION 2: Hazards identification

2.1. Classification of the substance or mixture:

Classification according to the Hazardous Substances (Classification) Notice 2020, New Zealand:

The product is not classified as hazardous

Classification according to OSHA Hazard Communication Standard (29 CFR 1910.1200):

The product is not classified as dangerous

EC regulation criteria 1272/2008 (CLP):

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

None

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

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Other Hazards:  
 No other hazards



### SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

Hazardous components:

Qty	Name	Ident. Number	Classification
>= 1% - < 3%	Copper EDTA disodium salt	CAS: 14025-15-1 EC: 237-864-5	 3.1/4/Oral Acute Tox. 4 H302  3.3/2 Eye Irrit. 2 H319

### SECTION 4: First aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.

Wash thoroughly (shower or bath).

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time.

Get medical attention if irritation persists.

In case of Ingestion:

Never give anything by mouth to an unconscious person

Rinse mouth with water and if the person is conscious give plenty of water to drink .

Do not under any circumstances induce vomiting. Get medical attention.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation:

Possible irritation of respiratory tract

Skin:

Possible irritation according to the contact time with the product

Eye:

Possible irritation according to the contact time with the product

Ingestion:

Possible irritation of mouth and digestive tract.

4.3. Indication of any immediate medical attention and special treatment needed

Treatment:

N.A.

### SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO<sub>2</sub>).

Extinguishing media which must not be used for safety reasons:

None in particular.

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- 5.2. Special hazards arising from the substance or mixture  
Do not inhale explosion and combustion gases.  
Burning produces smoke containing nitrogen oxides, phosphorus oxides, sulphur oxides.
- 5.3. Advice for firefighters  
Use suitable breathing apparatus.  
Avoid dust generation  
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Move undamaged containers from immediate hazard area if it can be done safely.

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## **SECTION 6: Accidental release measures**

- 6.1. Personal precautions, protective equipment and emergency procedures  
For non-emergency personnel:  
No action shall be taken involving any personal risk or without suitable training  
Wear protective clothes giving a total skin protection, gloves and safety glasses.  
Keep away from the affected area people not involved in the emergency intervention.  
Ensure adequate ventilation.  
Alert the internal emergency team.  
For emergency responders:  
Wear protective clothes giving a total skin protection, gloves and safety glasses.  
See protective measures under point 7 and 8.  
Remove people to safety.
- 6.2. Environmental precautions  
Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.  
Dilute with water and retain contaminated wash water and dispose in authorized facilities or pick up in clean plastic labeled containers and reuse as fertilizer.  
In case of seepage into waterways, soil or sewage system inform authorities responsible.  
Material suitable for collecting: absorbent material, sand
- 6.3. Methods and material for containment and cleaning up  
Wash with plenty of water. Contain leaks with inert absorbent material
- 6.4. Reference to other sections  
See also section 8 and 13

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## **SECTION 7: Handling and storage**

- 7.1. Precautions for safe handling  
Avoid contact with skin and eyes, inhalation of vapours and mists.  
Avoid dust generation and Keep away from sources of ignition  
Do not eat or drink while working.  
See also section 8 for recommended protective equipment.
- 7.2. Conditions for safe storage, including any incompatibilities  
Keep in original containers tightly closed in a well-ventilated place far from humidity, heat and ignition sources. Avoid exposure to direct sunlight  
Keep away from food, drink and feed.  
Incompatible materials:  
Oxidizing and reducing agents, acids, bases.  
Instructions as regards storage premises:  
Adequately ventilated, cool and dry premises.
- 7.3. Specific end use(s)  
None in particular

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No WES or BEI set as at 12<sup>th</sup> Edition of Workplace exposure standards (Nov 2020)

ACGIH: recommended value inhalable dust: TLV/TWA: 10 mg/m<sup>3</sup>

ACGIH: recommended value breathable dust: TLV/TWA: 3 mg/m<sup>3</sup>

#### **DNEL:**

Workers:

Inhalation exposure to long-term systemic effects

DNEL: 1.8 mg/m<sup>3</sup>

Skin systemic effects long-term exposure

DNEL 3750 mg / kg body weight/day

General Population:

Inhalation exposure to long-term systemic effects

DNEL: 0.45 mg/m<sup>3</sup>

Skin systemic effects long-term exposure

DNEL: 1875 mg/kg body weight /day

oral systemic effects long-term exposure

DNEL: 0.375 mg / kg body weight /day

#### **PNEC:**

PNEC (freshwater) = 2.95 mg/L

PNEC aqua (sea water) = 0.3 mg/L

PNEC aqua (intermittent release) = 1.09 mg/L

PNEC STP = 65.4 mg/L

PNEC soil - Risk to terrestrial organisms = 0.21 mg/kg dw soil

### 8.2. Exposure controls

Appropriate engineering controls:

No specific requirements.

Eye protection:

Use close fitting safety goggles according to the standard EN 166, don't use eye lens

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. nitrile according to EN 374

Respiratory protection:

No need for normal use.

In case of dust generation, use anti-powder mask with P2 (FFP2) filters according to the EN 149:2001

The powder exposition limit must be respected.

Thermal Hazards:

None Known

Environmental exposure controls:

None

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## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Appearance and colour:	Violet powder
Odour:	Characteristic
Odour threshold:	No data available
pH 1% (water):	4.7 at 20°C
Melting point / freezing point:	No data available
Initial boiling point and boiling range:	Not applicable
Solid/gas flammability:	No data available
Upper/lower flammability or explosive limits:	No data available
Vapour density:	Not applicable
Flash point:	Not applicable
Evaporation rate:	Not applicable
Vapour pressure:	Not applicable
Apparent density:	0.93 Kg/dm <sup>3</sup>
Solubility in water:	200 g/l at 20°C
Solubility in oil:	No data available
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity:	Not applicable
Explosive properties:	the product doesn't contain any explosive substance
Oxidizing properties:	the product doesn't contain any oxidizing substance
Particle characteristics:	No data available

### 9.2. Other information

Miscibility:	No data available
Fat Solubility:	No data available
Conductivity(1‰):	No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under normal conditions of use and storage

### 10.2. Chemical stability

Stable under normal conditions of use and storage

### 10.3. Possibility of hazardous reactions

At high temperatures, which induce thermal decomposition, the product may release hazardous gases

### 10.4. Conditions to avoid

Stable under normal conditions.

Avoid high temperatures that induce thermal decomposition

Avoid dust generation.

### 10.5. Incompatible materials

Oxidizing and reducing agents, acids, bases, combustible materials

### 10.6. Hazardous decomposition products

In case of fire and high temperatures can develop nitrogen oxides, phosphorus oxides, sulphur oxides

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

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Toxicological information of the mixture:

No data available

Toxicological information of the main substances found in the mixture:

Copper EDTA - CAS: 14025-15-1

a) acute toxicity:

LD50 (Oral) = 890 mg / kg (test similar to OECD 403)

LD50 (dermal, rat) > 2000 mg / kg bw (OECD 402 read-across from Ethylenediaminetetraacetic acid ferric sodium salt)

4h-LC50 (inhalation) > 5.32 g / m<sup>3</sup> (OECD 436)

b) skin corrosion/irritation:

slightly irritating (test on rabbit: 50% aqueous solution, OECD 404)

c) serious eye damage/irritation:

irritating (Test on rabbit, OECD 405)

d) respiratory or skin sensitisation:

not sensitizing (test on rat, OECD 429 Local Lymph Node Assay)

e) germ cell mutagenicity:

not classified

f) carcinogenicity:

non-carcinogenic (read-across from hydrogen 2,2', 2'', 2''' - (ethane-1,2-diylidinitrilo) tetraacetate)

g) reproductive toxicity:

NOEL reproduction and development ≥ 500 mg/kg bw/day.

h) STOT-single exposure:

not classified

i) STOT-repeated exposure:

not classified

j) aspiration hazard:

unlikely event (solid)

## SECTION 12: Ecological information

### 12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

The product contain phosphates; Environmental releases can causes serious adverse effects on the environment ,as nitrate pollution of surface water layers and internal eutrophication in surface waters

Copper EDTA - CAS: 14025-15-1

a) Aquatic acute toxicity:

Species: Fish = 555 mg/l - Notes: OECD 203

Species: Daphnia = 109.2 mg/l - Notes: OECD 202

Species: Algae = 662.6 mg/l - Notes: OECD 201

b) Aquatic chronic toxicity:

Species: Fish = 37.2 mg/l - Notes: OECD 210

Species: Daphnia = 29.5 mg/l - Notes: OECD 211

Species: Algae = 43.7 mg/l - Notes: OECD 201

c) Bacteria toxicity:

Endpoint: NOEC = 654 mg/l - Duration h: 3 - Notes: OECD 209

### 12.2. Persistence and degradability

Abiotic degradation: half-life 20 days

Resistant to hydrolysis (read across Ethylenediaminetetraacetic acid ferric sodium salt)

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Biotic degradation:

The EDTA and its salts are not readily degradable; slightly alkaline pH improves the biodegradability of EDTA

12.3. Bioaccumulative potential

The substance has a low bioaccumulation potential (log Kow <3)

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Other adverse effects

None

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### SECTION 13: Disposal considerations

13.1. Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging:

- Product :Recover if possible. In so doing, comply with the local and national regulations currently in force.
- Packaging: Dispose according to regulations.

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### SECTION 14: Transport information

14.1. UN number

Not classified as dangerous in the meaning of transport regulations.

14.2. UN proper shipping name

N.A.

14.3. Transport hazard class(es)

N.A.

14.4. Packing group

N.A.

14.5. Environmental hazards

ADR-Environmental Pollutant: No

IMDG-Marine pollutant: No

14.6. Special precautions for user

N.A.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

N.A.

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### SECTION 15: Regulatory information

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

15.1.2. National regulations

**New Zealand**

Classification : Classified as non-hazardous according to Hazardous Substances (Classification) Notice 2020, New Zealand

ACVM ACT 1997 : Exempt from registration under the Agricultural Compounds and Veterinary Medicines Act 1997

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### SECTION 16: Other information

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Issue date: September 13, 2021

This document was prepared by a competent person who has received appropriate training.

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

N.A. no data available

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

CAS: Chemical Abstracts Service (division of the American Chemical Society).

CLP: Classification, Labeling, Packaging.

DNEL: Derived No Effect Level.

EINECS: European Inventory of Existing Commercial Chemical Substances.

GefStoffVO: Ordinance on Hazardous Substances, Germany.

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).

IMDG: International Maritime Code for Dangerous Goods.

INCI: International Nomenclature of Cosmetic Ingredients.

KSt: Explosion coefficient.

LC50: Lethal concentration, for 50 percent of test population.

LD50: Lethal dose, for 50 percent of test population.

LTE: Long-term exposure.

PNEC: Predicted No Effect Concentration.

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.

STE: Short-term exposure.

STEL: Short Term Exposure limit.

STOT: Specific Target Organ Toxicity.

TLV: Threshold Limiting Value.

TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).

WGK: German Water Hazard Class.