

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product name : CHROMA

1.2. Recommended use and restrictions on use

1.3. Supplier

INNICTIS ORGANIC ADVANCEMENTS
P.O. Box Box 9296
Boise, ID 83707 - USA
T 855-466-8428

1.4. Emergency telephone number

ChemTrec 1-800-424-9300

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Skin corrosion/irritation, Category 2 H315 Causes skin irritation.

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS US labelling

Hazard pictograms (GHS US) :



Signal word (GHS US) :

Warning

Hazard statements (GHS US) :

H315 - Causes skin irritation.

Precautionary statements (GHS US) :

P264 - Wash hands, forearms and face thoroughly after handling.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 - If on skin: Wash with plenty of water/...
P321 - Specific treatment (see supplemental first aid instruction on this label)
P332+P313 - If skin irritation occurs: Get medical attention
P362+P364 - Take off contaminated clothing and wash it before reuse.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | GHS-US classification |
|------------------------------------|---------------------|---------|---|
| LACTOBACILLUS EXTRACT FILTRATE | | 50 – 80 | Not classified |
| copper(II) sulfate, pentahydrate | (CAS-No.) 7758-99-8 | 10 – 20 | Acute Tox. 3 (Oral), H301 Skin Irrit. 2, H315 Eye Irrit. 2B, H320 |
| SACCHAROMYCES CEREVISIAE CELL WALL | | 10 – 20 | Not classified |

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Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

- | | |
|---------------------------------------|---|
| First-aid measures general | : Call a poison center or a doctor if you feel unwell. |
| First-aid measures after inhalation | : Remove person to fresh air and keep comfortable for breathing. |
| First-aid measures after skin contact | : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical attention. |
| First-aid measures after eye contact | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. |
| First-aid measures after ingestion | : Rinse mouth. Call a poison center or a doctor if you feel unwell. |

4.2. Most important symptoms and effects (acute and delayed)

- | | |
|-------------------------------------|-------------------|
| Symptoms/effects after skin contact | : Irritation. |
| Symptoms/effects after eye contact | : Eye irritation. |

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

- | | |
|------------------------------|--|
| Suitable extinguishing media | : Water spray. Dry powder. Foam. Carbon dioxide. |
|------------------------------|--|

5.2. Specific hazards arising from the chemical

- | | |
|--|--------------------------------|
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. |
|--|--------------------------------|

5.3. Special protective equipment and precautions for fire-fighters

- | | |
|--------------------------------|--|
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |
|--------------------------------|--|

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- | | |
|----------------------|--|
| Emergency procedures | : Ventilate spillage area. Avoid contact with skin and eyes. |
|----------------------|--|

6.1.2. For emergency responders

- | | |
|----------------------|---|
| Protective equipment | : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |
|----------------------|---|

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

- | | |
|-------------------------|---|
| Methods for cleaning up | : Take up liquid spill into absorbent material. |
| Other information | : Dispose of materials or solid residues at an authorized site. |

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- | | |
|-------------------------------|--|
| Precautions for safe handling | : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. |
| Hygiene measures | : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. |

7.2. Conditions for safe storage, including any incompatibilities

- | | |
|--------------------|--|
| Storage conditions | : Store in a well-ventilated place. Keep cool. |
|--------------------|--|

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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| |
|---|
| CHROMA |
| No additional information available |
| LACTOBACILLUS EXTRACT FILTRATE |
| No additional information available |
| copper(II) sulfate, pentahydrate (7758-99-8) |
| No additional information available |
| SACCHAROMYCES CEREVISIAE CELL WALL |
| No additional information available |

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--|-------------------------------|
| Physical state | : Liquid |
| Appearance | : Green liquid. |
| Colour | : Green |
| Odour | : Unpleasant odour |
| Odour threshold | : No data available |
| pH | : 4.77 |
| pH solution | : 4.3 g/100ml |
| Melting point | : Not applicable |
| Freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : No data available |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Flammability (solid, gas) | : > 100 °C Not applicable. |
| Vapour pressure | : No data available |
| Relative vapour density at 20 °C | : No data available |
| Relative density | : No data available |
| Density | : 1.188 g/ml |
| Solubility | : No data available |

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| | |
|---|-----------------------------|
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Viscosity, kinematic | : 23.092 mm ² /s |
| Viscosity, dynamic | : 27.433 cP |
| Explosive limits | : No data available |
| Explosive properties | : No data available |
| Oxidising properties | : No data available |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|-----------------------------|------------------|
| Acute toxicity (oral) | : Not classified |
| Acute toxicity (dermal) | : Not classified |
| Acute toxicity (inhalation) | : Not classified |

| CHROMA | |
|--------------------|-----------------------|
| LD50 oral rat | 5000 |
| LD50 dermal rat | 5000 |
| LD50 dermal rabbit | 2.05 |
| ATE US (oral) | 5000 mg/kg bodyweight |
| ATE US (dermal) | 2.05 mg/kg bodyweight |

| LACTOBACILLUS EXTRACT FILTRATE | |
|--------------------------------|-----------------------|
| LD50 oral rat | >5000 |
| LD50 dermal rat | >5000 |
| LD50 dermal rabbit | 2.05 |
| ATE US (oral) | 5000 mg/kg bodyweight |
| ATE US (dermal) | 2.05 mg/kg bodyweight |

| copper(II) sulfate, pentahydrate (7758-99-8) | |
|--|---|
| LD50 oral rat | 300 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Experimental value; 482 mg/kg bodyweight; Rat) |
| LD50 dermal rabbit | > 2000 mg/kg (Rabbit; Literature study; OECD 402: Acute Dermal Toxicity) |

| | |
|-----------------------------------|---------------------------------------|
| Skin corrosion/irritation | : Causes skin irritation. pH: 4.77 |
| Serious eye damage/irritation | : Not classified pH: 4.77 |
| Respiratory or skin sensitisation | : Not classified |

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Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified

| CHROMA | |
|------------|---|
| IARC group | 4 - Probably not carcinogenic to humans |

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

Viscosity, kinematic : 23.092 mm²/s

Symptoms/effects after skin contact : Irritation.

Symptoms/effects after eye contact : Eye irritation.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Very toxic to aquatic life with long lasting effects.

| copper(II) sulfate, pentahydrate (7758-99-8) | |
|--|---|
| LC50 fish 1 | 1.5 mg/l (24 h; Lepomis macrochirus; Toxicity test) |
| EC50 Daphnia 1 | 0.109 – 0.798 mg/l (48 h; Daphnia magna; Anhydrous form) |
| LC50 fish 2 | 0.17 mg/l (24 h; Salmo gairdneri (Oncorhynchus mykiss); Anhydrous form) |
| TLM fish 1 | 3.8 ppm 24 h; Salmo gairdneri (Oncorhynchus mykiss) |
| Threshold limit algae 1 | 0.01 - 0.28,72 h; Selenastrum capricornutum; Anhydrous form |
| Threshold limit algae 2 | 0.368 mg/l (72 h; Pseudokirchneriella subcapitata; Anhydrous form) |

12.2. Persistence and degradability

| copper(II) sulfate, pentahydrate (7758-99-8) | |
|--|--|
| Persistence and degradability | Biodegradability: not applicable. No (test)data on mobility of the substance available. Not established. |
| Biochemical oxygen demand (BOD) | Not applicable |
| Chemical oxygen demand (COD) | Not applicable |
| ThOD | Not applicable |
| BOD (% of ThOD) | Not applicable |

12.3. Bioaccumulative potential

| copper(II) sulfate, pentahydrate (7758-99-8) | |
|--|--------------------------------|
| Bioaccumulative potential | Bioaccumable. Not established. |

12.4. Mobility in soil

| copper(II) sulfate, pentahydrate (7758-99-8) | |
|--|-----------------|
| Ecology - soil | Toxic to flora. |

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

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SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

| | |
|--------------------------------------|---|
| Transport document description (DOT) | : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ((CONTAINS COPPER SULFATE)), 9, III |
| UN-No. (DOT) | : 3082 |
| Proper Shipping Name (DOT) | : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. |
| Class (DOT) | : 9 - Miscellaneous dangerous substances and articles |
| Packing group (DOT) | : III - substances presenting low danger |

Transportation of Dangerous Goods

Not applicable

Transport by sea

| | |
|---------------------------------------|---|
| Transport document description (IMDG) | : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ((CONTAINS COPPER SULFATE)), 9, III, Marine Pollutant |
| UN-No. (IMDG) | : 3082 |
| Proper Shipping Name (IMDG) | : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. |
| Class (IMDG) | : 9 - Miscellaneous dangerous substances and articles |
| Packing group (IMDG) | : III - substances presenting low danger |
| Limited quantities (IMDG) | : 5 L |

Air transport

| | |
|---------------------------------------|---|
| Transport document description (IATA) | : UN 3082 (CONTAINS COPPER SULFATE), 9, III |
| UN-No. (IATA) | : 3082 |
| Proper Shipping Name (IATA) | : (CONTAINS COPPER SULFATE) |
| Class (IATA) | : 9 - Miscellaneous Dangerous Goods |
| Packing group (IATA) | : III - Minor Danger |

SECTION 15: Regulatory information

15.1. US Federal regulations

CHROMA

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory except for:

| | | |
|------------------------------------|-------------------|----------|
| LACTOBACILLUS EXTRACT FILTRATE | CAS-No. | 50 – 80% |
| copper(II) sulfate, pentahydrate | CAS-No. 7758-99-8 | 10 – 20% |
| SACCHAROMYCES CEREVISIAE CELL WALL | CAS-No. | 10 – 20% |

15.2. International regulations

CANADA

copper(II) sulfate, pentahydrate (7758-99-8)

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

EU-Regulations

No additional information available

National regulations

No additional information available

15.3. US State regulations

No additional information available

SECTION 16: Other information

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Full text of H-statements:

| | |
|------|-------------------------|
| H301 | Toxic if swallowed. |
| H315 | Causes skin irritation. |
| H320 | Causes eye irritation |

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.