SAFETY DATA SHEET

1. Identification

Product identifier: Brandt Organics Tree & Vine Mix

Other means of identification

Product code: 24050

Recommended use: Agricultural/ Horticultural Use- Micronutrient Fertilizer- Refer to product label.

Recommended restrictions: Refer to product label.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name: Brandt Consolidated, Inc.
Address: 2935 South Koke Mill Road
Springfield, IL 62711
United States

Telephone: Corporate Office 1-217-547-5800
Website: www.brandt.co
E-mail: msds@brandt.co
Contact person: EH&S / Regulatory Department
Emergency phone number: CHEMTREC (24 hours):
USA, Canada, Puerto Rico 1-800-424-9300
Virgin Islands 1-800-424-9300
International Maritime +1 (703) 527-3887

2. Hazard(s) identification

Physical hazards: Not classified.

Health hazards

Skin corrosion/irritation Category 2
Serious eye damage/eye irritation Category 2A
Sensitization, skin Category 1
Specific target organ toxicity, repeated exposure Category 2

Environmental hazards

Hazardous to the aquatic environment, acute hazard Category 1
Hazardous to the aquatic environment, long-term hazard Category 1

OSHA defined hazards: Not classified.

Label elements

Signal word: Warning

Hazard statement: Harmful if swallowed. Causes serious eye irritation. May cause damage to organs through prolonged or repeated exposure. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

Precautionary statement

Prevention: Wear eye/face protection. Do not breathe mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment.

Response: If swallowed: Call a poison center/doctor if you feel unwell. Rinse mouth. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention if you feel unwell. If eye irritation persists: Get medical advice/attention.

Storage: Store away from incompatible materials.

Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)  
None known.

Supplemental information  
None.

### 3. Composition/information on ingredients

#### Mixtures

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>FERROUS SULFATE</td>
<td></td>
<td>7782-63-0</td>
<td>5 - &lt; 10</td>
</tr>
<tr>
<td>Zinc Sulfate</td>
<td></td>
<td>7733-02-0</td>
<td>5 - &lt; 10*</td>
</tr>
<tr>
<td>Citric Acid, Anhydrous</td>
<td></td>
<td>77-92-9</td>
<td>1 - &lt; 3*</td>
</tr>
<tr>
<td>Disodium Octaborate Tetrahydrate</td>
<td></td>
<td>12008-41-2</td>
<td>1 - &lt; 3*</td>
</tr>
<tr>
<td>Manganese Sulfate, monohydrate</td>
<td></td>
<td>10034-96-5</td>
<td>1 - &lt; 3*</td>
</tr>
<tr>
<td>Cupric Sulfate, pentahydrate</td>
<td></td>
<td>7758-99-8</td>
<td>&lt; 1*</td>
</tr>
</tbody>
</table>

Other components below reportable levels  
80 - < 90

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

### 4. First-aid measures

#### Inhalation

Move to fresh air. Call a physician if symptoms develop or persist.

#### Skin contact

Wash off with soap and water. Get medical attention if irritation develops and persists.

#### Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

#### Ingestion

Rinse mouth. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical advice/attention if you feel unwell. Get medical attention if symptoms occur.

#### Most important symptoms/effects, acute and delayed

Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Severe eye irritation. Prolonged exposure may cause chronic effects.

#### Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

#### General information

If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

### 5. Fire-fighting measures

#### Suitable extinguishing media

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

#### Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

#### Specific hazards arising from the chemical

During fire, gases hazardous to health may be formed.

#### Special protective equipment and precautions for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

#### Fire fighting equipment/instructions

Move containers from fire area if you can do so without risk.

#### Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials.

#### General fire hazards

No unusual fire or explosion hazards noted.

### 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. Prevent entry into waterways, sewer, basements or confined areas. For waste disposal, see section 13 of the SDS.

Environmental precautions

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling

Do not breathe mist or vapor. Do not taste or swallow. Avoid contact with eyes. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store in original tightly closed container. Keep container tightly closed. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manganese Sulfate, monohydrate (CAS 10034-96-5)</td>
<td>Ceiling</td>
<td>5 mg/m3</td>
<td></td>
</tr>
</tbody>
</table>

US. ACGIH Threshold Limit Values

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cupric Sulfate, pentahydrate (CAS 7758-99-8)</td>
<td>TWA</td>
<td>1 mg/m3</td>
<td>Dust and mist</td>
</tr>
<tr>
<td>Disodium Octaborate Tetrahydrate (CAS 12008-41-2)</td>
<td>STEL</td>
<td>0.2 mg/m3</td>
<td>Fume. Inhaleable fraction</td>
</tr>
<tr>
<td>Manganese Sulfate, monohydrate (CAS 10034-96-5)</td>
<td>TWA</td>
<td>2 mg/m3</td>
<td>Inhaleable fraction</td>
</tr>
<tr>
<td>Manganese Sulfate, monohydrate (CAS 10034-96-5)</td>
<td>TWA</td>
<td>0.1 mg/m3</td>
<td>Inhaleable fraction</td>
</tr>
</tbody>
</table>

US. NIOSH: Pocket Guide to Chemical Hazards

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cupric Sulfate, pentahydrate (CAS 7758-99-8)</td>
<td>TWA</td>
<td>1 mg/m3</td>
<td>Dust and mist</td>
</tr>
<tr>
<td>Manganese Sulfate, monohydrate (CAS 10034-96-5)</td>
<td>STEL</td>
<td>3 mg/m3</td>
<td>Fume.</td>
</tr>
</tbody>
</table>

Biological limit values

No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station.

Individual protection measures, such as personal protective equipment

<table>
<thead>
<tr>
<th>Eye/face protection</th>
<th>Skin protection</th>
<th>Hand protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical respirator with organic vapor cartridge and full facepiece.</td>
<td>Wear appropriate chemical resistant gloves.</td>
<td></td>
</tr>
</tbody>
</table>
Wear suitable protective clothing. Use of an impervious apron is recommended.

Chemical respirator with organic vapor cartridge and full facepiece.

Wear appropriate thermal protective clothing, when necessary.

Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance
Viscous. Liquid.

Physical state
Liquid.

Form
Liquid.

Color
Dark brown.

Odor
Slight lignin

Odor threshold
Not available.

pH
5.3

Melting point/freezing point
Not available.

Initial boiling point and boiling range
Not available.

Flash point
Not available.

Evaporation rate
Not available.

Flammability (solid, gas)
Noncombustible

Upper/lower flammability or explosive limits

- Flammability limit - lower (%)
  Not available.

- Flammability limit - upper (%)
  Not available.

- Explosive limit - lower (%)
  Not available.

- Explosive limit - upper (%)
  Not available.

Vapor pressure
0.00001 hPa estimated

Vapor density
< 1

Relative density
1.17 g/cm3 (typical)

Solubility (water)
Not available.

Partition coefficient
Not available.

(n-octanol/water)

Auto-ignition temperature
Not available.

Decomposition temperature
Not available.

Viscosity
Not available.

Other information

- Density
  2.66 g/cm3 estimated

- Percent volatile
  78.22 % estimated

- pH in aqueous solution
  5 - 7

- Pounds per gallon
  9.8 lb/gal (typical)

- Specific gravity
  2.66 estimated

10. Stability and reactivity

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

Chemical stability
Material is stable under normal conditions.

Possibility of hazardous reactions
Hazardous polymerization does not occur.

Conditions to avoid
Contact with incompatible materials.

Incompatible materials
Strong oxidizing agents.
11. Toxicological information

Information on likely routes of exposure

**Inhalation**: Prolonged inhalation may be harmful. May cause damage to organs through prolonged or repeated exposure by inhalation.

**Skin contact**: No adverse effects due to skin contact are expected.

**Eye contact**: Causes serious eye irritation.

**Ingestion**: Harmful if swallowed.

**Symptoms related to the physical, chemical and toxicological characteristics**: Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Severe eye irritation.

Information on toxicological effects

**Acute toxicity**: Harmful if swallowed.

<table>
<thead>
<tr>
<th>Product</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Brandt Organics Tree &amp; Vine Mix</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Acute</em></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rabbit</td>
<td>84034 mg/kg estimated</td>
</tr>
<tr>
<td>Oral</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD100</td>
<td>Mouse</td>
<td>4692 mg/kg estimated</td>
</tr>
<tr>
<td>LD50</td>
<td>Mouse</td>
<td>3452 mg/kg estimated</td>
</tr>
<tr>
<td></td>
<td>Rat</td>
<td>16994 mg/kg estimated</td>
</tr>
<tr>
<td><strong>Components</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Acute</em></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Mouse</td>
<td>5040 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Rat</td>
<td>6730 mg/kg</td>
</tr>
<tr>
<td>Oral</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD100</td>
<td>Mouse</td>
<td>50 mg/kg</td>
</tr>
<tr>
<td>LD50</td>
<td>Mouse</td>
<td>960 mg/kg</td>
</tr>
<tr>
<td><strong>Cupric Sulfate, pentahydrate (CAS 7758-99-8)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Acute</em></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rabbit</td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td>Oral</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD100</td>
<td>Mouse</td>
<td>5300 mg/kg</td>
</tr>
<tr>
<td>LD50</td>
<td>Guinea pig</td>
<td>2550 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Rat</td>
<td>2 g/kg</td>
</tr>
<tr>
<td><strong>Disodium Octaborate Tetrahydrate (CAS 12008-41-2)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Acute</em></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rabbit</td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td>Oral</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD100</td>
<td>Mouse</td>
<td>305 mg/kg</td>
</tr>
<tr>
<td><strong>Manganese Sulfate, monohydrate (CAS 10034-96-5)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>Acute</em></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD50</td>
<td>Rabbit</td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td>Oral</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD100</td>
<td>Mouse</td>
<td>305 mg/kg</td>
</tr>
</tbody>
</table>
**Test Results**

<table>
<thead>
<tr>
<th>Component</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>Rat</td>
<td>623 mg/kg</td>
</tr>
</tbody>
</table>

* Estimates for product may be based on additional component data not shown.

**Skin corrosion/irritation**
- Prolonged skin contact may cause temporary irritation.

**Serious eye damage/eye irritation**
- Causes serious eye irritation.

**Respiratory or skin sensitization**
- **Respiratory sensitization**: Not available.
- **Skin sensitization**: This product is not expected to cause skin sensitization.

**Germ cell mutagenicity**
- No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity**
- This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

**IARC Monographs. Overall Evaluation of Carcinogenicity**
- Not listed.

- Not regulated.

**US. National Toxicology Program (NTP) Report on Carcinogens**
- Not listed.

**Reproductive toxicity**
- This product is not expected to cause reproductive or developmental effects.

**Specific target organ toxicity - single exposure**
- Not classified.

**Specific target organ toxicity - repeated exposure**
- May cause damage to organs through prolonged or repeated exposure.

**Aspiration hazard**
- Not available.

**Chronic effects**
- Prolonged inhalation may be harmful. May cause damage to organs through prolonged or repeated exposure.

## 12. Ecological information

**Ecotoxicity**
- Harmful to aquatic life with long lasting effects.

### Product Test Results

#### Aquatic

<table>
<thead>
<tr>
<th>Component</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brandt Organics Tree &amp; Vine Mix</td>
<td><strong>Aquatic</strong></td>
<td></td>
</tr>
<tr>
<td>Crustacea</td>
<td>EC50</td>
<td>Daphnia</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Fish</td>
</tr>
</tbody>
</table>

**Disodium Octaborate Tetrahydrate (CAS 12008-41-2)**

<table>
<thead>
<tr>
<th>Component</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Acute</strong></td>
<td>Crustacea</td>
<td>LC50</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Bluegill (Lepomis macrochirus)</td>
</tr>
</tbody>
</table>

**Manganese Sulfate, monohydrate (CAS 10034-96-5)**

<table>
<thead>
<tr>
<th>Component</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Aquatic</strong></td>
<td>Crustacea</td>
<td>EC50</td>
</tr>
<tr>
<td>Fish</td>
<td>LC50</td>
<td>Fathead minnow (Pimephales promelas)</td>
</tr>
</tbody>
</table>

| | | 29.7 - 52.7 mg/l, 192 hours |
Components Test Results

<table>
<thead>
<tr>
<th>Species</th>
<th>LC50</th>
<th>EC50</th>
<th>Fish</th>
</tr>
</thead>
<tbody>
<tr>
<td>Green algae (Chlorella vulgaris)</td>
<td>5 mg/l, 24 hours</td>
<td>15.1 - 24.5 mg/l, 96 hours</td>
<td>10.62 - 11.3 mg/l, 5 days</td>
</tr>
<tr>
<td>Amphipod (Crangonyx pseudogracilis)</td>
<td>0.5 mg/l, 48 hours</td>
<td>0.168 - 0.25 mg/l, 96 hours</td>
<td>76 - 118.8 mg/l, 24 hours</td>
</tr>
<tr>
<td>Rotifer (Philodina acuticornis)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fathead minnow (Pimephales promelas)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fish (Lepidocephalichthyes guntea)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Estimates for product may be based on additional component data not shown.

Persistence and degradability: No data is available on the degradability of this product.

Bioaccumulative potential: Not available.

Mobility in soil: No data available.

Other adverse effects: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions: Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations: Dispose in accordance with all applicable regulations.

Hazardous waste code: The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products: Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT

- UN number: UN3082
- UN proper shipping name: Environmentally hazardous substances, liquid, n.o.s. (Cupric Sulfate, pentahydrate RQ = 1250 LBS), MARINE POLLUTANT
- Transport hazard class(es): Class 9, Subsidiary risk: 9, Label(s): III
- Environmental hazards: Marine pollutant: Yes
- Special precautions for user: Read safety instructions, SDS and emergency procedures before handling.
- Special provisions: 8, 146, 335, IB3, T4, TP1, TP29
- Packaging exceptions: 155
- Packaging non bulk: 203
- Packaging bulk: 241

DOT Shipping Notes: 40 CFR 172.504(f)(9) For Class 9, a CLASS 9 placard is not required for domestic (USA ground) transportation, however shipments with packaging exceeding the Reportable Quantity (RQ) or bulk packaging must be marked with the appropriate identification number on a CLASS 9 placard, an orange panel, or a white square-on-point display configuration as required. Since the Class 9 placard is not required (although it may be used) the hazardous material endorsement is also not required on a Commercial Drivers License.

IATA

Not regulated as dangerous goods.
IMDG
Not regulated as dangerous goods.

DOT
Marine pollutant

General information
Not DOT regulated in domestic (USA ground) transportation in package sizes less than 1250 lbs (126 gallons); 567 kg (477 liters). The DOT transportation information above is for shipments with package sizes equal to or exceeding this value.

15. Regulatory information

US federal regulations
This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)
- FERROUS SULFATE (CAS 7782-63-0) Listed.
- Manganese Sulfate, monohydrate (CAS 10034-96-5) Listed.
- Zinc Sulfate (CAS 7733-02-0) Listed.

SARA 304 Emergency release notification
Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Immediate Hazard - Yes
Delayed Hazard - Yes
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance
Not listed.

SARA 311/312 Hazardous chemical
No

SARA 313 (TRI reporting)

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS number</th>
<th>% by wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc Sulfate</td>
<td>7733-02-0</td>
<td>5 - &lt; 10</td>
</tr>
<tr>
<td>Manganese Sulfate, monohydrate</td>
<td>10034-96-5</td>
<td>1 - &lt; 3</td>
</tr>
</tbody>
</table>
Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
Manganese Sulfate, monohydrate (CAS 10034-96-5)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
Not regulated.

Safe Drinking Water Act (SDWA)
Not regulated.

US state regulations

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)
Not listed.

US. Massachusetts RTK - Substance List
Cupric Sulfate, pentahydrate (CAS 7758-99-8)
FERROUS SULFATE (CAS 7782-63-0)
Zinc Sulfate (CAS 7733-02-0)

US. New Jersey Worker and Community Right-to-Know Act
Cupric Sulfate, pentahydrate (CAS 7758-99-8)
Disodium Octaborate Tetrahydrate (CAS 12008-41-2)
Manganese Sulfate, monohydrate (CAS 10034-96-5)
Zinc Sulfate (CAS 7733-02-0)

US. Pennsylvania Worker and Community Right-to-Know Law
Cupric Sulfate, pentahydrate (CAS 7758-99-8)
FERROUS SULFATE (CAS 7782-63-0)
Zinc Sulfate (CAS 7733-02-0)

US. Rhode Island RTK
FERROUS SULFATE (CAS 7782-63-0)
Manganese Sulfate, monohydrate (CAS 10034-96-5)
Zinc Sulfate (CAS 7733-02-0)

US. California Proposition 65
WARNING: This product can expose you to chemicals including arsenic, cadmium, and lead, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

International Inventories

<table>
<thead>
<tr>
<th>Country(s) or region</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Australian Inventory of Chemical Substances (AICS)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>No</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances List (NDSL)</td>
<td>No</td>
</tr>
<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances in China (IECSC)</td>
<td>Yes</td>
</tr>
<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemical Substances (EINECS)</td>
<td>No</td>
</tr>
<tr>
<td>Europe</td>
<td>European List of Notified Chemical Substances (ELINCS)</td>
<td>No</td>
</tr>
<tr>
<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
<td>No</td>
</tr>
<tr>
<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
<td>No</td>
</tr>
<tr>
<td>New Zealand</td>
<td>New Zealand Inventory</td>
<td>Yes</td>
</tr>
<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances (PICCS)</td>
<td>Yes</td>
</tr>
<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>No</td>
</tr>
</tbody>
</table>

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date 06-04-2015
Revision date 02-20-2018
Version # 06
The information provided in this Safety Data Sheet is correct to the best of Manufacturer’s knowledge, information and belief at the date of its publication; however, it is provided only as a guidance for safe handling, use, processing, storage, transportation, disposal and release of the Product. No warranties of any kind, either expressed or implied, including warranties of merchantability or fitness for a particular purpose, are made with respect to the Product or the information provided herein, or that the Product or information herein may be used without infringing the intellectual property rights of others. The information provided in this Safety Data Sheet relates only to the specific Product designated and may not be valid if the Product is used in combination with other materials or in any other process, unless specified herein. The user assumes all risk and liability for loss, injury, damage or expense due to any use, handling, storage or disposal of the Product, and Manufacturer recommends that the user conducts its owns tests of the Product to determine suitability of the Product for user’s particular use.

Disclaimer

Revision information

Regulatory information: California Prop 65