SECTION 1: Identification

1.1. Identification

Product form: Substance
Substance name: Cupric Sulfate Anhydrous
CAS-No.: 7758-98-7
Formula: CuSO₄

1.2. Recommended use and restrictions on use

Use of the substance/mixture: Nutrient; Dietary Supplement

1.3. Supplier

Manufacturer:
Jost Chemical Co.
8150 Lackland Rd.
Saint Louis, Missouri 63114
T 314-428-4300 - F 314-428-4366
sds@jostchemical.com - www.jostchemical.com

1.4. Emergency telephone number

Emergency number: For Hazardous Materials [or Dangerous Goods] Incident Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night
United States and Canada: 1-800-424-9300 / +1 703-527-3887
Global: +1 703-741-5970

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

<table>
<thead>
<tr>
<th>Hazard Class</th>
<th>H-Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity (oral)</td>
<td>H302</td>
<td>Harmful if swallowed</td>
</tr>
<tr>
<td>Skin corrosion/irritation Category 2</td>
<td>H315</td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation Category 2</td>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>Hazardous to the aquatic environment - Acute Hazard Category 1</td>
<td>H400</td>
<td>Very toxic to aquatic life</td>
</tr>
<tr>
<td>Hazardous to the aquatic environment - Chronic Hazard Category 1</td>
<td>H410</td>
<td>Very toxic to aquatic life with long lasting effects</td>
</tr>
</tbody>
</table>

Full text of H statements: see section 16

2.2. GHS Label elements, including precautionary statements

GHS-US labeling

Hazard pictograms (GHS-US): ![Warning] ![Environmental Alert]

Signal word (GHS-US): Warning

Hazard statements (GHS-US):
- H302 - Harmful if swallowed
- H315 - Causes skin irritation
- H319 - Causes serious eye irritation
- H400 - Very toxic to aquatic life
- H410 - Very toxic to aquatic life with long lasting effects

Precautionary statements (GHS-US):
- P264 - Wash hands, forearms and face 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.
- P301+P312 - If swallowed: Call a poison center or 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
P321 - Specific treatment (see supplemental first aid instruction on this label)
P330 - Rinse mouth.
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P391 - Collect spillage.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

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

Substance type: Mono-constituent

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>GHS-US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cupric Sulfate Anhydrous (Main constituent)</td>
<td>(CAS-No.) 7758-98-7</td>
<td>100</td>
<td>Acute Tox. 4 (Oral), H302</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Skin Irr. 2, H315</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Eye Irrit. 2, H319</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Aquatic Acute 1, H400</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Aquatic Chronic 1, H410</td>
</tr>
</tbody>
</table>

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

3.2. Mixtures

Not applicable

SECTION 4: First-aid measures

4.1. Description of first aid measures


First-aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing. Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.

First-aid measures after skin contact: Wash immediately with lots of water. Do not apply (chemical) neutralizing agents. Take victim to a doctor if irritation persists. Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.

First-aid measures after eye contact: Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Do not apply neutralizing agents. Take victim to an ophthalmologist if irritation persists. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.


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

Potential Adverse human health effects and symptoms: Harmful if swallowed. Causes skin irritation. Causes serious eye irritation.

Symptoms/effects after inhalation: AFTER INHALATION OF DUST: Dry/sore throat. Coughing. ON HEATING: Metal fume fever.

Symptoms/effects after skin contact: Tingling/irritation of the skin. Irritation.

Symptoms/effects after eye contact: Irritation of the eye tissue. Eye irritation.

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**Chronic symptoms**


**4.3. Immediate medical attention and special treatment, if necessary**

Treat symptomatically.

**SECTION 5: Fire-fighting measures**

**5.1. Suitable (and unsuitable) extinguishing media**


**5.2. Specific hazards arising from the chemical**

Fire hazard: DIRECT FIRE HAZARD: Non combustible. INDIRECT FIRE HAZARD: Reactions involving a fire hazard; see "Reactivity Hazard".

Explosion hazard: No data available on direct explosion hazard. No data available on indirect explosion hazard.

Reactivity: Reacts exothermically with (some) compounds: (increased) risk of fire. Reacts violently with (strong) reducers. Reacts on exposure to water (moisture) with (some) metals.

**5.3. Special protective equipment and precautions for fire-fighters**

Precautionary measures fire: Exposure to fire/heat: keep upwind. Exposure to fire/heat: consider evacuation. Exposure to fire/heat: have neighborhood close doors and windows.

Firefighting instructions: Dilute toxic gases with water spray. Take account of environmentally hazardous firefighting water. Use water moderately and if possible collect or contain it.


---

**SECTION 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

**6.1.1. For non-emergency personnel**


Measures in case of dust release: In case of dust production: keep upwind. Dust production: have neighborhood close doors and windows.

**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. Prevent soil and water pollution. Prevent spreading in sewers.

**6.3. Methods and material for containment and cleaning up**

For containment: Contain released product, pump into suitable containers. Plug the leak, cut off the supply. Dam up the solid spill. Knock down/dilute dust cloud with water spray.

Methods for cleaning up: Mechanically recover the product. Stop dust cloud by covering with sand/earth. Scoop solid spill into closing containers. Carefully collect the spill/leftovers. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling.

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 raising dust. Keep away from naked flames/heat. Measure the concentration in the air regularly. Carry operations in the open/under local exhaust/ventilation or with respiratory protection. Comply with the legal requirements. Remove contaminated clothing immediately. Clean contaminated clothing. Thoroughly clean/dry the installation before use. Do not discharge the waste into the drain. Avoid contact with skin and eyes. Wear personal protective equipment.
### Hygiene measures
Observe strict hygiene. Keep container tightly closed. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### Conditions for safe storage, including any incompatibilities
<table>
<thead>
<tr>
<th>Technical measures</th>
<th>Take all necessary measures to avoid accidental discharge of products into drains and waterways due to the rupture of containers or transfer systems.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage conditions</td>
<td>Store in a well-ventilated place. Keep cool.</td>
</tr>
<tr>
<td>Incompatible products</td>
<td>MAGNESIUM POWDER. hydroxylamine phosphate. HYDROXYLAMINE SULPHATE.</td>
</tr>
<tr>
<td>Heat-ignition</td>
<td>KEEP SUBSTANCE AWAY FROM: heat sources.</td>
</tr>
<tr>
<td>Information on mixed storage</td>
<td>KEEP SUBSTANCE AWAY FROM: reducing agents. (strong) bases. water/moisture.</td>
</tr>
<tr>
<td>Storage area</td>
<td>Store in a dry area. Keep container in a well-ventilated place. May be stored under nitrogen. Meet the legal requirements. Keep out of direct sunlight.</td>
</tr>
<tr>
<td>Special rules on packaging</td>
<td>SPECIAL REQUIREMENTS: hermetical. watertight. dry. clean. correctly labelled. meet the legal requirements. Secure fragile packagings in solid containers.</td>
</tr>
</tbody>
</table>

### Exposure controls/personal protection

#### Control parameters
No additional information available

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

#### Individual protection measures/Personal protective equipment
**Personal protective equipment:**
Dust production: dust mask with filter type P2. Gloves. Safety glasses.

**Materials for protective clothing:**
GIVE GOOD RESISTANCE: chloroprene rubber. chlorosulfonated polyethylene. butyl rubber. PVC. viton

**Hand protection:**
Gloves

**Eye protection:**
Face shield. In case of dust production: protective goggles. Safety glasses

**Skin and body protection:**
Protective clothing. In case of dust production: head/neck protection. In case of dust production: dustproof clothing

**Respiratory protection:**
Dust production: dust mask with filter type P2

**Personal protective equipment symbol(s):**

### Physical and chemical properties

#### Information on basic physical and chemical properties
<table>
<thead>
<tr>
<th>Physical state</th>
<th>Solid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Grayish white to greenish white powder.</td>
</tr>
<tr>
<td>Color</td>
<td>White-grey to green-blue</td>
</tr>
<tr>
<td>Odor</td>
<td>Odorless</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available</td>
</tr>
</tbody>
</table>
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pH: 4 (3.2 %)
Melting point: 560 °C
Freezing point: Not applicable
Boiling point: Not applicable
Flash point: Not applicable
Relative evaporation rate (butyl acetate=1): No data available
Flammability (solid, gas): Non flammable.
Vapor pressure: No data available
Relative vapor density at 20 °C: Not applicable
Relative density: 3.6
Specific gravity / density: 3600 kg/m³
Molecular mass: 159.61 g/mol
Solubility: Soluble in water. Soluble in methanol. Soluble in glycerol.
  Water: 20 g/100 ml
  Ethanol: 1 g/100 ml
Log Pow: No data available
Auto-ignition temperature: Not applicable
Decomposition temperature: 560 °C
Viscosity, kinematic: No data available
Viscosity, dynamic: No data available
Explosion limits: Not applicable
Explosive properties: No data available
Oxidizing properties: No data available

9.2. Other information
VOC content: 0 %
Other properties: Hygroscopic. Substance has acid reaction.

SECTION 10: Stability and reactivity

10.1. Reactivity
Reacts exothermically with (some) compounds: (increased) risk of fire. Reacts violently with (strong) reducers. Reacts on exposure to water (moisture) with (some) metals.

10.2. Chemical stability
Hygroscopic.

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
hydroxylamine phosphate. HYDROXYLAMINE SULFATE. MAGNESIUM POWDER.

10.6. Hazardous decomposition products
Sulphur oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects
Acute toxicity (oral): Oral: Harmful if swallowed.
Acute toxicity (dermal): Not classified
Acute toxicity (inhalation): Not classified

<table>
<thead>
<tr>
<th>Cupric Sulfate Anhydrous (7758-98-7)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
</tr>
<tr>
<td>LD50 dermal rat</td>
</tr>
<tr>
<td>LD50 dermal rabbit</td>
</tr>
<tr>
<td>ATE US (oral)</td>
</tr>
</tbody>
</table>
# Cupric Sulfate Anhydrous

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<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin corrosion/irritation</td>
<td>Causes skin irritation. pH: 4 (3.2 %)</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>Causes serious eye irritation. pH: 4 (3.2 %)</td>
</tr>
<tr>
<td>Respiratory or skin sensitization</td>
<td>Not classified (Based on available data, the classification criteria are not met)</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>Not classified (Based on available data, the classification criteria are not met)</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Not classified (Lack of data)</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>Not classified (Based on available data, the classification criteria are not met)</td>
</tr>
<tr>
<td>Specific target organ toxicity – single exposure</td>
<td>Not classified (Based on available data, the classification criteria are not met)</td>
</tr>
<tr>
<td>Specific target organ toxicity – repeated exposure</td>
<td>Not classified (Based on available data, the classification criteria are not met)</td>
</tr>
</tbody>
</table>

### Cupric Sulfate Anhydrous (7758-98-7)

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NOAEL (oral, rat, 90 days)</td>
<td>1000 mg/kg bodyweight/day (hydrated product; Published data)</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>Not classified (Not applicable)</td>
</tr>
<tr>
<td>Viscosity, kinematic</td>
<td>No data available</td>
</tr>
<tr>
<td>Potential Adverse human health effects and symptoms</td>
<td>Harmful if swallowed. Causes skin irritation. Causes serious eye irritation.</td>
</tr>
<tr>
<td>Symptoms/effects after inhalation</td>
<td>AFTER INHALATION OF DUST: Dry/sore throat. Coughing. ON HEATING: Metal fume fever.</td>
</tr>
<tr>
<td>Symptoms/effects after skin contact</td>
<td>Tingling/irritation of the skin. Irritation.</td>
</tr>
<tr>
<td>Symptoms/effects after eye contact</td>
<td>Irritation of the eye tissue. Eye irritation.</td>
</tr>
</tbody>
</table>

### SECTION 12: Ecological information

#### 12.1. Toxicty

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ecology - general</td>
<td>Dangerous for the environment.</td>
</tr>
<tr>
<td>Ecology - air</td>
<td>Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009).</td>
</tr>
</tbody>
</table>

#### Cupric Sulfate Anhydrous (7758-98-7)

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish 1</td>
<td>0.0199 mg/l (96 h, Salmo gairdneri)</td>
</tr>
<tr>
<td>ECS0 Daphnia 1</td>
<td>0.01 mg/l (48 h, Daphnia magna)</td>
</tr>
<tr>
<td>LC50 other aquatic organisms 2</td>
<td>0.55 g/l (12 h; Shell; Copper Compounds)</td>
</tr>
</tbody>
</table>

#### 12.2. Persistence and degradability

#### Cupric Sulfate Anhydrous (7758-98-7)

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Persistence and degradability</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Biochemical oxygen demand (BOD)</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Chemical oxygen demand (COD)</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>ThOD</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>BOD (% of ThOD)</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

#### 12.3. Bioaccumulative potential

#### Cupric Sulfate Anhydrous (7758-98-7)

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bioconcentration factor (BCF REACH)</td>
<td>13 Cyprinus Carpio</td>
</tr>
<tr>
<td>Bioaccumulative potential</td>
<td>Bioaccumable.</td>
</tr>
</tbody>
</table>
12.4. Mobility in soil

| Cupric Sulfate Anhydrous (7758-98-7) | Toxic to flora. |

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

- Regional legislation (waste): LWCA (the Netherlands): KGA category 05.
- Waste treatment methods: Dispose of contents/container in accordance with licensed collector’s sorting instructions.
- Product/Packaging disposal recommendations: Do not discharge into the sewer. Remove waste in accordance with local and/or national regulations. Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals. Recycle/reuse. Remove to an authorized dump (Class I). Precipitate/make insoluble.


SECTION 14: Transport information

Department of Transportation (DOT)

- In accordance with DOT
- Transport document description: RQ, UN3077 Environmentally hazardous substances, solid, n.o.s., 9, III
- UN-No.(DOT): UN3077
- Proper Shipping Name (DOT): Environmentally hazardous substances, solid, n.o.s.
- Class (DOT): 9 - Class 9 - Miscellaneous hazardous material 49 CFR 173.140
- Packing group (DOT): III - Minor Danger
- Hazard labels (DOT): 9 - Class 9 (Miscellaneous dangerous materials)

- Dangerous for the environment: Yes
- Marine pollutant: Yes

DOT Packaging Non Bulk (49 CFR 173.xxx): 213
DOT Packaging Bulk (49 CFR 173.xxx): 240
DOT Symbols: G - Identifies PSN requiring a technical name
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DOT Special Provisions (49 CFR 172.102) : 8 - A hazardous substance that is not a hazardous waste may be shipped under the shipping description "Other regulated substances, liquid or solid, n.o.s.", as appropriate. In addition, for solid materials, special provision B54 applies.

146 - This description may be used for a material that poses a hazard to the environment but does not meet the definition for a hazardous waste or a hazardous substance, as defined in 171.8 of this subchapter, or any hazard class as defined in Part 173 of this subchapter, if it is designated as environmentally hazardous by the Competent Authority of the country of origin, transit or destination.

335 - Mixtures of solids that are not subject to this subchapter and environmentally hazardous liquids or solids may be classified as "Environmentally hazardous substances, solid, n.o.s," UN3077 and may be transported under this entry, provided there is no free liquid visible at the time the material is loaded or at the time the packaging or transport unit is closed. Each transport unit must be leak-proof when used as bulk packaging.

A112 - Notwithstanding the quantity limits shown in Column (9A) and (9B) for this entry, the following IBCs are authorized for transportation aboard passenger and cargo-only aircraft. Each IBC may not exceed a maximum net quantity of 1,000 kg:

b. Rigid plastics: 1H1, 1H2, 2H1 and 2H2
c. Composite with plastic inner receptacle: 1HZ1, 1HZ2, 2HZ1 and 2HZ2
d. Fiberboard: 11G
e. Wooden: 11C, 11D and 11F (with inner liners)
f. Flexible: 13H2, 13H3, 13H4, 13H5, 13L2, 13L3, 13L4, 13M1 and 13M2 (flexible IBCs must be silt-proof and water resistant or must be fitted with a silt-proof and water resistant liner).

B54 - Open-top, silt-proof rail cars are also authorized.

IB8 - Authorized IBCs: Metal (11A, 11B, 11N, 21A, 21B, 21N, 31A, 31B and 31N); Rigid plastics (1H1, 1H2, 2H1, 2H2, 3H1 and 3H2); Composite (1HZ1, 1HZ2, 2HZ1, 2HZ2, 2HZ1 and 2HZ2); Fiberboard (11G); Wooden (11C, 11D and 11F); Flexible (13H1, 13H2, 13H3, 13H4, 13L1, 13L2, 13L3, 13L4, 13M1 or 13M2).

IP3 - Flexible IBCs must be silt-proof and water-resistant or must be fitted with a silt-proof and water-resistant liner.

N20 - A 5M1 multi-wall paper bag is authorized if transported in a closed transport vehicle.

T1 - 1.5 178.274(d)(2) Normal.......... 178.275(d)(2)

TP33 - The portable tank instruction assigned for this substance applies for granular and powdered solids and for solids which are filled and discharged at temperatures above their melting point which are cooled and transported as a solid mass. Solid substances transported or offered for transport above their melting point are authorized for transportation in portable tanks conforming to the provisions of portable tank instruction T4 for solid substances of packing group III or T7 for solid substances of packing group II, unless a tank with more stringent requirements for minimum shell thickness, maximum allowable working pressure, pressure-relief devices or bottom outlets are assigned in which case the more stringent tank instruction and special provisions shall apply. Filling limits must be in accordance with portable tank special provision TP3. Solids meeting the definition of an elevated temperature material must be transported in accordance with the applicable requirements of this subchapter.

DOT Packaging Exceptions (49 CFR 173.xxx) : 155

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : No limit

DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : No limit

DOT Vessel Stowage Location : A - The material may be stowed “on deck” or “under deck” on a cargo vessel and on a passenger vessel.

Emergency Response Guide (ERG) Number : 171

Other information : No supplementary information available.

Transportation of Dangerous Goods

Transport by sea

Transport document description (IMDG) : UN 3077 Environmentally hazardous substance, solid, n.o.s. (Cupric Sulfate), 9, III, MARINE POLLUTANT

UN-No. (IMDG) : 3077

Proper Shipping Name (IMDG) : Environmentally hazardous substance, solid, n.o.s.

Class (IMDG) : 9 - Miscellaneous dangerous substances and articles

Packing group (IMDG) : III - substances presenting low danger

Limited quantities (IMDG) : 5 kg

EmS-No. (1) : F-A

EmS-No. (2) : S-F
Marine pollutant : Yes

Air transport

Transport document description (IATA) : UN 3077 Environmentally hazardous substance, solid, n.o.s. (Cupric Sulfate), 9, III
UN-No. (IATA) : 3077
Proper Shipping Name (IATA) : Environmentally hazardous substance, solid, n.o.s.
Class (IATA) : 9 - Miscellaneous Dangerous Goods
Packing group (IATA) : III - Minor Danger

SECTION 15: Regulatory information

15.1. US Federal regulations

Cupric Sulfate Anhydrous (7758-98-7)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Subject to reporting requirements of United States SARA Section 313
CERCLA RQ 10 lb

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

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

Cupric Sulfate Anhydrous CAS-No. 7758-98-7 100%

15.2. International regulations

CANADA

Cupric Sulfate Anhydrous (7758-98-7)
Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations
No additional information available

National regulations
No additional information available

15.3. US State regulations

Cupric Sulfate Anhydrous (7758-98-7)

State or local regulations
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date : 06/11/2018
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Full text of H-phrases:

<table>
<thead>
<tr>
<th>H302</th>
<th>Harmful if swallowed</th>
</tr>
</thead>
<tbody>
<tr>
<td>H315</td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td>H319</td>
<td>Causes serious eye irritation</td>
</tr>
<tr>
<td>H400</td>
<td>Very toxic to aquatic life</td>
</tr>
<tr>
<td>H410</td>
<td>Very toxic to aquatic life with long lasting effects</td>
</tr>
</tbody>
</table>

NFPA health hazard: 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.

NFPA fire hazard: 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.

NFPA reactivity: 2 - Materials that readily undergo violent chemical change at elevated temperatures and pressures.

Hazard Rating

Health: 2 Moderate Hazard - Temporary or minor injury may occur

Flammability: 0 Minimal Hazard - Materials that will not burn

Physical: 2 Moderate Hazard - Materials that are unstable and may undergo violent chemical changes at normal temperature and pressure with low risk for explosion. Materials may react violently with water or form peroxides upon exposure to air.

SDS US (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.