SAFETY DATA SHEET

Preparation Date: 4/13/2017 **Revision date** 1/31/2019 **Revision Number:** G2

1. IDENTIFICATION

Product identifier

Product code: C1418
Product Name: CUPRIC SULFATE, ANHYDROUS, POWDER, REAGENT

Other means of identification
Synonyms: No information available
CAS #: 7758-98-7
RTECS # GL8800000
CI#: Not available

Recommended use of the chemical and restrictions on use
Recommended use: Wood preservation. Antifungal. Molluscide. Agent for leather tanning and hide preservation. Chemical intermediate. Froth floatation agent.
Uses advised against No information available

Supplier:
Spectrum Chemical Mfg. Corp
14422 South San Pedro St.
Gardena, CA 90248
(310) 516-8000

Order Online At: https://www.spectrumchemical.com
Emergency telephone number Chemtrec 1-800-424-9300
Contact Person: Tom Tyner (USA - West Coast)
Contact Person: Ibad Tirmiz (USA - East Coast)

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Considered a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Acute toxicity - Oral	Category 3
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A

Label elements

Danger

Hazard statements
Toxic if swallowed
Causes skin irritation
Causes serious eye irritation

Hazards not otherwise classified (HNOC)
Not Applicable

Other hazards
Very toxic to aquatic life with long lasting effects
Very toxic to aquatic life

Precautionary Statements - Prevention
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Wear protective gloves
Wear eye/face protection

Precautionary Statements - Response

IF IN EYES: 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.
IF ON SKIN: Wash with plenty of water
If skin irritation occurs: Get medical advice/attention
Take off contaminated clothing and wash it before reuse
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
Rinse mouth

Precautionary Statements - Storage
Store locked up

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No	Weight-%
Cupric Sulfate, Anhydrous	7758-98-7	100

4. FIRST AID MEASURES

First aid measures

General Advice: National Capital Poison Center in the United States can provide assistance if you have a poison emergency and need to talk to a poison specialist. Call 1-800-222-1222. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. First aider needs to protect himself.

Skin Contact: Wash off immediately with soap and plenty of water removing all contaminated clothing and shoes. Get medical attention. If skin irritation persists, call a physician.

Eye Contact: Flush eyes with water for 15 minutes. Get medical attention.

Inhalation: Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. WARNING! It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled or ingested material is toxic, infectious or corrosive. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Get medical attention.

Ingestion: Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Immediate medical attention is required. Toxic if swallowed.

Most important symptoms and effects, both acute and delayed

Symptoms

Causes eye irritation
Causes skin irritation
May cause a greenish discoloration of the skin
May cause discoloration of the cornea
May cause ulceration of the cornea
Ingestion may cause gastrointestinal irritation, nausea, vomiting, and diarrhea
Oral mucosa, vomitus, stools, and salilva may be stained blue or green following ingestion
May cause metallic taste
Abdominal pain
May cause metabolic acidosis
May cause methemoglobinemia
May affect the liver
Jaundice
It may affect the kidneys
May cause central nervous system effects
May affect the cardiovascular system
Hypotension
Perforation of the nasal septum if inhaled in excessive quantities
Irritating to respiratory system
Coughing and wheezing

Indication of any immediate medical attention and special treatment needed

Notes to Physician: Treat symptomatically.

Protection of first-aiders
First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste.

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: The product is not flammable. If it is involved in a fire, extinguish the fire using an agent suitable for the type of surrounding fire.

Unsuitable Extinguishing Media: No information available.

Specific hazards arising from the chemical

Hazardous combustion products If it is involved in a fire the following can be released:. copper oxides. Sulfur oxides.

Specific hazards No information available.

Special Protective Actions for Firefighters

Specific Methods: No information available

Special Protective Equipment for Firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions: Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid contact with skin, eyes and clothing. Use personal protective equipment.

Environmental precautions Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Prevent entry into waterways, sewers, basements or confined areas.

Methods and material for containment and cleaning up

Methods for containment Stop leak if you can do it without risk. Cover with plastic sheet to prevent spreading.

Methods for cleaning up Sweep up and shovel into suitable containers for disposal. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling

Technical Measures/Precautions:
Provide sufficient air exchange and/or exhaust in work rooms. Keep away from incompatible materials.

Safe Handling Advice
Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Do not ingest. Do not breathe vapors/dust. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Technical Measures/Storage Conditions:
Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container. Store away from incompatible materials. Store in a segregated and approved area.

Incompatible Materials:
Hydroxylamine
Strong reducing agents
Powdered metals
Acetylene
Magnesium
Oxidizing agents
Amines
Strong bases
isocyanates
Nitromethane
Sodium hypobromite
Ammonia

Hydrazine

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

National occupational exposure limits

United States

Component	CAS No	OSHA	NIOSH	ACGIH	AIHA WEEL
Cupric Sulfate, Anhydrous	7758-98-7	None	1 mg/m³ TWA (as Cu)	1 mg/m³ TWA (as Cu)	None

Canada

Component	CAS No	Canada - Alberta	Canada - British Columbia	Canada - Ontario	Canada - Quebec
Cupric Sulfate, Anhydrous	7758-98-7	None	None	None	None

Australia and Mexico

Component	CAS No	Australia	Mexico
Cupric Sulfate, Anhydrous	7758-98-7	None	None

Appropriate engineering controls

Engineering measures to reduce exposure: Ensure adequate ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Individual protection measures, such as personal protective equipment

Personal Protective Equipment

Eye protection: Goggles or Safety glasses with side-shields.

Skin and body protection: Chemical resistant apron
Long sleeved clothing
Gloves

Respiratory protection: Effective dust mask. Use a dust respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentration of dust (dust clouds) , inadequate ventilation, development of respiratory tract irritation), and engineering controls are not feasible. Be sure to use an approved/certified respirator or equivalent.

Hygiene measures: Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Solid	**Appearance:** Powder.	**Color:** Gray. Grayish White.
Odor: Odorless.	**Taste** No information available.	**Formula** CuSO4
Molecular/Formula weight (g/mole): 159.60	**Flammability (solid, gas)** no data available	**Flashpoint (°C/°F):** No information available
Flash Point Tested according to: Not available	**Autoignition Temperature (°C/°F):** No information available	**Lower Explosion Limit (%):** No information available
Upper Explosion Limit (%): No information available	**Melting point/range(°C/°F):** 590 °C/1094 °F	**Decomposition temperature(°C/°F):** 650 °C/1202 °F
Boiling point/range(°C/°F): No information available	**Bulk density:** No information available	**Density (g/cm3):** No information available
Specific gravity: 3.6	**pH** No information available	**Vapor pressure @ 20°C (kPa):** No information available
Evaporation rate: No information available	**Vapor density:** No information available	**VOC content (g/L):** No information available
Odor threshold (ppm): No information available	**Partition coefficient (n-octanol/water):** No information available	**Viscosity:** No information available
Miscibility: No information available	**Solubility:** Easily soluble in hot water Soluble in cold water Soluble in Methanol Insoluble in Ethanol It readily forms alkaline complexes at sufficiently high concentrations of amines or alkali cyanides Solubility in water: 243 g/l @ 0 deg. C; 75.4 g/100 ml @ 100 deg. C.; Solubility in methanol: 1.04 g/100 ml @ 18 deg. C	

10. STABILITY AND REACTIVITY

Reactivity

Anhydrous copper sulfate causes hydroxylamine to ignite and the hydrated salt is vigorously reduced
Copper salts and nitromethane spontaneously form explosive materials
Copper salts promote the decomposition of hydrazine
Dangerous acetylides may be formed from many copper salts. The copper acetylides formed in ammonical or caustic solutions with Cu(II) salts and acetylene are more explosive than those derived from cuprous Cu(I) salts

Chemical stability

Stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: Hazardous polymerization does not occur

Conditions to avoid: Incompatible materials.

Incompatible Materials: Hydroxylamine
Strong reducing agents

Powdered metals
Acetylene
Magnesium
Oxidizing agents
Amines
Strong bases
isocyanates
Nitromethane
Sodium hypobromite
Ammonia
Hydrazine

Hazardous decomposition products: When heated to decomposition it emits toxic fumes. Sulfur oxides.

Other Information

Corrosivity:
Extremely corrosive in presence of aluminum
Highly corrosive in prescence of steel
Slightly corrosive in presence of stainless steel (304)
Slightly corrosive in presence of stainless steel (316)
Severe corrosive effect on Brass
Severe corrosive effect on Bronze

Special Remarks on Corrosivity: Can be corrosive to ferrous based metals.
Very corrosive to plain steel

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Principal Routes of Exposure:
Ingestion. Inhalation.

Acute Toxicity

Component Information

Cupric Sulfate, Anhydrous	
CAS No	7758-98-7

LD50/oral/rat = 300 mg/kg Oral LD50 Rat
LD50/oral/mouse = 369 mg/kg
LD50/dermal/rabbit = 1000 mg/kg Dermal LD50Rabbit
LD50/dermal/rat = No information available
LC50/inhalation/rat = No information available
LC50/inhalation/mouse = No information available
Other LD50 or LC50information = 857 mg/kg oral LDL Man

Product Information

LD50/oral/rat =
Value - Acute Tox = 300 mg/kg

LD50/oral/mouse =
Value - Acute Tox Oral = 369 mg/kg

LD50/dermal/rabbit

Value - Acute Tox = 1000 mg/kg

LD50/dermal/rat
VALUE - Acute Tox Dermal = No information available

LC50/inhalation/rat
VALUE-Vapor = No information available
VALUE-Gas = No information available
VALUE-Dust/Mist = No information available

LC50/Inhalation/mouse
VALUE-Vapor = No information available
VALUE - Gas = No information available
VALUE - Dust/Mist = No information available

Symptoms

Skin Contact:	Causes skin irritation. May cause skin burns, itching allergic dermatitis, eczema, and greenish discoloration of the skin and hair.
Eye Contact:	Causes serious eye irritation. May cause burns. May cause conjunctivitis. May cause corneal opacity. May cause corneal discoloration, ulceration.
Inhalation	Causes respiratory tract (nose, throat, lung) irritation with coughing and wheezing. May cause ulceration and perforation of the nasal septum if inhaled in excessive quantities. Burning copper sulfate may result in irritating and poisonous gases which may irritate the respiratory tract and lungs, and may cause metal fume fever which is characterized by flu-like symptoms such as fever, chills, muscle aches.
Ingestion	Toxic if swallowed. May cause gastrointestinal tract irritation with nausea, vomiting, hypermotility, diarrhea, metallic taste, burning sensation in the stomach or epigastrum, abdominal pain, and possible gastrointestinal tract bleeding. May affect metabolism(metabolic acidosis, anorexia, weight loss), liver (liver damage, jaundice), blood (rarely Methemoglobinemia, hemalytic anemia), urinary system (kidney damage, hematuria, hemoglobinuria, albuminuria), behavior/central nervous system (CNS depression, headache, seizures, somnolence, tremor, psychosis, muscle weakness, coma), cardiovascular system (lowering of blood pressure, dysrythmia). Oral mucosa, vomitus, stools, and saliva may be stained blue or green following ingestion. Aspiration pneumonia may develop following emesis (vomiting).
Aspiration hazard	No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Chronic Toxicity	Repeated or prolonged skin contact may cause thickening of the skin. Prolonged or repeated ingestion may affect the liver. Prolonged or repeated ingestion may cause nausea, vomiting, diarrhea. Prolonged or repeated ingestion may affect the blood (changes in red blood cell count). Prolonged or repeated ingestion may affect the blood (changes in serum composition). Prolonged or repeated exposure may affect the heart. Chronic exposure may affect the liver and kidneys. Prolonged or repeated ingestion may affect the spleen. Prolonged or repeated ingestion may affect the adrenal gland. Prolonged or repeated contact may cause skin allergy.
Sensitization:	No information available.

Mutagenic Effects: Mutations in microorganisms
Experiments with bacteria and/or yeast have shown mutagenic effects

Carcinogenic effects: Not considered carcinogenic.

Component	CAS No	IARC	ACGIH - Carcinogens	NTP	OSHA HCS - Carcinogens	Australia - Notifiable Carcinogenic Substances	Australia - Prohibited Carcinogenic Substances
Cupric Sulfate, Anhydrous	7758-98-7	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed

ACGIH (American Conference of Governmental Industrial Hygienists)

IARC (International Agency for Research on Cancer)

NTP (National Toxicology Program)

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

Reproductive toxicity No data is available

Reproductive Effects: No information available
Developmental Effects: No information available
Teratogenic Effects: No information available

Specific Target Organ Toxicity

STOT - single exposure No information available.
STOT - repeated exposure No information available.
Target Organs: No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity effects: Aquatic environment.

Cupric Sulfate, Anhydrous - 7758-98-7
Fish LC50: =0.1mg/L (96h, Oncorhynchus mykiss)
Crustacea EC50: 0.0058 - 0.0073mg/L (48h, Daphnia magna)

Persistence and degradability: If released to soil, copper sulfate may leach to groundwater, be partly oxidized, or bind to humic materials, clay, or hydrous of iron and manganese. In water, it will bind to carbonates as well as humic materials, clay and hydrous oxides of iron and manganese. Copper is accumulated by plants and animals, but it does not appear to biomagnify from plants to animals. This lack of biomagnification appears common with heavy metals. In air, copper aerosols (in general) have a residence time of 2 to 10 days in an unpolluted atmosphere and 0.1 to >4 in a polluted, urban areas.

Bioaccumulative potential: No information available.

Mobility in soil No information available
Other adverse effects No information available.

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Waste from residues / unused products:
Waste must be disposed of in accordance with Federal, State and Local regulation.

Contaminated packaging:
Empty containers should be taken for local recycling, recovery or waste disposal

Component	CAS No	RCRA - F Series Wastes	RCRA - K Series Wastes	RCRA - P Series Wastes	RCRA - U Series Wastes
Cupric Sulfate, Anhydrous	7758-98-7	None	None	None	None

14. TRANSPORT INFORMATION

DOT

UN-No:	UN3288
Proper Shipping Name:	Toxic solid, inorganic, n.o.s. (Sodium Chromate)
Hazard Class	6.1
Subsidiary Class	No information available
Packing group:	III
Emergency Response Guide Number	151
Marine Pollutant	Marine Pollutant
DOT RQ (lbs):	No information available
Special Provisions	IB8, IP3, T1, TP33
Symbol(s):	No information available
Description:	UN3288, Toxic solid, inorganic, n.o.s. (Cupric Sulfate, Anhydrous), 6.1, III

TDG (Canada)

UN-No:	UN3288
Proper Shipping Name:	Toxic solid, inorganic, n.o.s. (Sodium Chromate)
Hazard Class	6.1
Subsidiary Risk:	No information available
Packing Group:	III
Marine Pollutant	No Information available
Description:	UN3288, Toxic solid, inorganic, n.o.s. (Cupric Sulfate, Anhydrous), 6.1, III

ADR

UN Number	UN3288
Proper Shipping Name:	Toxic solid, inorganic, n.o.s. (Sodium Chromate)
Transport hazard class(es)	6.1
Packing group	III
Subsidiary Risk:	No information available
Special Provisions	274
Description:	UN3288, Toxic solid, inorganic, n.o.s. (Cupric Sulfate, Anhydrous), 6.1, III, ENVIRONMENTALLY HAZARDOUS

IMDG

UN-No:	UN3288
Proper Shipping Name:	Toxic solid, inorganic, n.o.s. (Sodium Chromate)
Hazard Class:	6.1
Subsidiary Risk:	No information available
Packing Group:	III
Marine Pollutant	Marine Pollutant
EMS:	F-A
Special Provisions	223, 274
Description	UN3288, Toxic solid, inorganic, n.o.s. (CUPRIC SULFATE, ANHYDROUS), 6.1,

III, Marine pollutant

RID

UN Number	UN3288
Proper Shipping Name:	Toxic solid, inorganic, n.o.s. (Sodium Chromate)
Transport hazard class(es)	6.1
Subsidiary Risk:	No information available
Packing group	III
Special Provisions	274
Description:	UN3288, Toxic solid, inorganic, n.o.s. (Cupric Sulfate, Anhydrous), 6.1, III, ENVIRONMENTALLY HAZARDOUS

ICAO (air)

UN-No:	UN3288
Proper Shipping Name:	Toxic solid, inorganic, n.o.s. (Sodium Chromate)
Hazard Class	6.1
Subsidiary Risk:	No information available
Packing Group:	III
Description:	UN3288, Toxic solid, inorganic, n.o.s. (Cupric Sulfate, Anhydrous), 6.1, III
Special Provisions	A3, A5

IATA

UN Number	UN3288
Proper Shipping Name:	Toxic solid, inorganic, n.o.s. (Sodium Chromate)
Transport hazard class(es)	6.1
Subsidiary Risk:	No information available
Packing group	III
Precautionary Statements - Response	6L
Special Provisions	No information available
Description:	UN3288, Toxic solid, inorganic, n.o.s. (Cupric Sulfate, Anhydrous), 6.1, III

15. REGULATORY INFORMATION

International Inventories

Component	CAS No	U.S. TSCA	KOREA KECL	Philippines (PICCS)	Japan ENCS	China IECSC	Australia AICS	EINECS-No.
Cupric Sulfate, Anhydrous	7758-98-7	PresentACTIVE	Present KE-08956	Present	Present (1)-300	Present	Present	Present 231-847-6

U.S. Regulations

Cupric Sulfate, Anhydrous

Massachusetts RTK: Present
New Jersey RTK Hazardous Substance List: sn 0549
New Jersey (EHS) List: SN 2215 500 lb. TPQ (copper compounds)
New Jersey - Discharge Prevention - List of Hazardous Substances: Present
Pennsylvania RTK: Environmental hazard
Pennsylvania RTK - Environmental Hazard List Present
New York Release Reporting - List of Hazardous Substances: 10 lb RQ
Louisana Reportable Quantity List for Pollutants: 10lbfinal RQ 4.54kgfinal RQ
California Directors List of Hazardous Substances: Present
FDA - Food Additives Generally Recognized as Safe (GRAS): 21 CFR 184.1261
FDA - 21 CFR - Total Food Additives 184.1261
- List Sourced from EAFUS

California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.

Chemicals Known to the State of California to Cause Cancer:
This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Chemicals Known to the State of California to Cause Reproductive Toxicity:
This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Component	CAS No	**Carcinogen**	**Developmental Toxicity**	**Male Reproductive Toxicity**	**Female Reproductive Toxicity:**
Cupric Sulfate, Anhydrous	7758-98-7	Not Listed	Not Listed	Not Listed	Not Listed

CERCLA/SARA

Component	CAS No	**CERCLA - Hazardous Substances and their Reportable Quantities**	**Section 302 Extremely Hazardous Substances and TPQs**	**Section 302 Extremely Hazardous Substances and RQs**	**Section 313 - Chemical Category**	**Section 313 - Reporting de minimis**
Cupric Sulfate, Anhydrous	7758-98-7	10 lb final RQ 4.54 kg final RQ	None	None	Copper compounds	1.0%

U.S. TSCA

Component	CAS No	**TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS)**	**TSCA 8(d) -Health and Safety Reporting**
Cupric Sulfate, Anhydrous	7758-98-7	Not Applicable	Not Applicable

Canada

WHIMIS 2015 - GHS Classifications

WHMIS 2015 Hazard Classification Information: The WHMIS 2015 classification of this product has not been validated or reviewed yet.

Canada Hazardous Products Regulation This product has been classified according to the hazard criteria of the HPR (Hazardous Products Regulation) and the SDS contains all of the information required by the HPR

DSL/NDSL

Component	CAS No	Canada (DSL)	Canada (NDSL)
Cupric Sulfate, Anhydrous	7758-98-7	Present	Not Listed

Component	CAS No	CEPA Schedule I - Toxic Substances
Cupric Sulfate, Anhydrous	7758-98-7	Not listed
Component	CAS No	CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting
Cupric Sulfate, Anhydrous	7758-98-7	Not listed

EU Classification

EU GHS - SV - CLP 1272/2008

Component	CAS No	EU GHS - SV - CLP (1272/2008)
Cupric Sulfate, Anhydrous	7758-98-7	Acute toxicity - Oral - Acute Tox. 4: H302 Harmful if swallowed. (Minimum

		classification); Skin corrosion/irritation - Skin Irrit. 2: H315 Causes skin irritation.; Serious Eye Damage/Eye Irritation - Eye Irrit. 2: H319 Causes serious eye irritation.; Hazardous to aquatic environment - acute hazard - Aquatic Acute 1: H400 Very toxic to aquatic life.; Hazardous to aquatic environment - chronic hazard - Aquatic Chronic 1: H410 Very toxic to aquatic life with long lasting effects.029-004-00-0

EU - CLP (1272/2008)

R-phrase(s)
R22 - Harmful if swallowed
R50 - Very toxic to aquatic organisms
R53 - May cause long-term adverse effects in the aquatic environment
R36/38 - Irritating to eyes and skin

S -phrase(s)
S 2 - Keep out of the reach of children.
S22 - Do not breathe dust
S60 - This material and its container must be disposed of as hazardous waste
S61 - Avoid release to the environment. Refer to special instructions/safety data sheets.

Component	CAS No	**Classification**	**Concentration Limits:**	**Safety Phrases**
Cupric Sulfate, Anhydrous	7758-98-7	Xn; R22 Xi; R36/38 N; R50-53	No information	S:(2)-22-60-61

The product is classified in accordance with Annex VI to Directive 67/548/EEC

Indication of danger:
Xn - Harmful
Xi - Irritant
N - Dangerous for the environment

16. OTHER INFORMATION

Preparation Date: 4/13/2017
Revision date 1/31/2019
Prepared by: Sonia Owen

Disclaimer: All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. The physical properties reported in this SDS are obtained from the literature and do not constitute product specifications.

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End of Safety Data Sheet