

Material Safety Data Sheet
Required under USDL Safety and Health Regulations
for Shipyard Employment (29 CFR 1915)

SC11582
U.S. Department of Labor
Occupational Safety and Health Administration

OMB No. 12
Expiration Date 0

Section I
Cupric Sulfate

CAS NO. 7758-98-7 DOT:ORM-E

Manufacturer's Name

Sargent-Welch Scientific Company

Address (Number, Street, City, State, and ZIP Code)

7300 N. Linder Ave.

Skokie, Illinois 60077

Chemical Name
and Synonyms

Copper Sulfate, Cupric Sulfate

Emergency Telephone
312-677-0600

Trade Name
and Synonyms

Bluevitriol, Bluestone

Chemical
Family

Formula

$\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$

Section II - Hazardous Ingredients

Paints, Preservatives, and Solvents

Pigments

Catalyst

Vehicle

Solvents

Additives

Others

% TLV (Units) Alloys and Metallic Coatings

Base Metal

Alloys

Metallic Coatings

Filler Metal
Plus Coating or Core Flux

Others

% TLV (Units)

Hazardous Mixtures of Other Liquids, Solids or Gases

N/A

% TLV (Units)

Section III - Physical Data

Boiling Point ($^{\circ}\text{F}$) $15\text{H}_2\text{O}$ @ 150°C

Vapor Pressure (mm Hg.)

Vapor Density (AIR=1)

Solubility in Water

117.95 @ 100°C

Specific Gravity ($\text{H}_2\text{O}=1$)

2.284

Percent Volatile by Volume (%)

Evaporation Rate

=1)

Appearance and Odor

Blue crystals of powder. No odor

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)

Non-flammable

Extinguishing Media

Water, CO_2 , or dry chemical

Flammable Limits

LCI

UEL

Special Fire Fighting Procedures

Unusual Fire and Explosion Hazards

If dry heated above 600°C , SO_2 is evolved. If water is used, care should be used to keep such water out of streams or

Section V - Health Hazard Data

Threshold Limit Value

TWA = $1\text{mg}/\text{m}^3$

Effects of Overexposure

May be harmful if swallowed. May cause irritation to eyes, skin and respiratory tract.

Emergency First Aid Procedures

Eyes: Flush with flowing water for 15 min. Seek medical attention.
Skin: Wash area with soap and water. Inhalation: Remove to fresh air.
Seek medical attention. Ingestion: Have conscious patient drink water or milk. Seek medical attention.

Section VI - Reactivity Data

Stability

Unstable

Conditions to Avoid

Stable

X

Incompatibility (Materials to Avoid)

Hazardous Decomposition Products
None

Hazardous Polymerization

May Occur

Conditions to Avoid

Will Not Occur

X

Section VII - Spill or Leak Procedures

Steps to be Taken in Case of Material Release or Spill

Neutralize with lime or soda ash and use absorbent and remove to an approved land fill.

Waste Disposal Methods

In accordance with local, state, and federal regulations.

Section VIII - Special Protection Information

Respiratory Protection (Specify Type)

NIOSH-approved dust respirator

Ventilation

Local Exhaust

Yes

Mechanical (General)

Special

Other

Protective Gloves

Rubber gloves

Other Protective Equipment

Lab coat or apron

Eye Protection

Goggles

Section IX - Special Precautions

Precautions to be Taken in Handling and Storing

Store in a cool dry area

Other Precautions

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