

SAFETY DATA SHEET (SDS)

Mendeleev Inc

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Revision Date: May 21, 2026

SECTION 1 — IDENTIFICATION

Product Identifier: Copper Sulfate Pentahydrate (Technical Grade)

CAS Number: 7758-99-8

Pack Sizes: 5 LB / 9 LB / 10 LB / 13 LB / 16.5 LB / 25 LB / 50 LB

Recommended Use: Laboratory reagent, technical applications, industrial use.

Restrictions on Use: Not intended for pesticidal, agricultural, pharmaceutical, food or feed use.

Manufacturer: Mendeleev Inc

SECTION 2 — HAZARD IDENTIFICATION

GHS Classification:

Acute Toxicity Oral — Category 4

Eye Irritation — Category 2A

Skin Irritation — Category 2

Aquatic Toxicity — Category 1

Signal Word: WARNING

Harmful if swallowed. Causes serious eye irritation. Very toxic to aquatic life.

SECTION 3 — COMPOSITION / INFORMATION ON INGREDIENTS

Copper Sulfate Pentahydrate — 99%

CAS: 7758-99-8

SECTION 4 — FIRST AID MEASURES

Eye Contact: Rinse with water for 15 minutes. Seek medical help if irritation persists.

Skin Contact: Wash with soap and water.

Inhalation: Move to fresh air.

Ingestion: Rinse mouth. Seek medical attention.

SECTION 5 — FIRE-FIGHTING MEASURES

Non-flammable. Use extinguishing media suitable for surrounding materials.

Hazardous combustion products may include sulfur oxides and copper oxides.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Avoid dust formation. Prevent entry into drains and waterways. Collect mechanically.

SECTION 7 — HANDLING AND STORAGE

Store in tightly sealed container in cool, dry area.
Avoid contact with eyes and prolonged skin exposure.

SECTION 8 — EXPOSURE CONTROLS / PERSONAL PROTECTION

Use gloves, safety glasses and ventilation during handling.

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Blue crystals
Odor: Odorless
Solubility: Soluble in water
Density: Approx. 2.28 g/cm³

SECTION 10 — STABILITY AND REACTIVITY

Stable under recommended storage conditions.
Avoid strong reducing agents and alkalis.

SECTION 11 — TOXICOLOGICAL INFORMATION

Harmful if swallowed. May cause irritation to eyes and skin.

SECTION 12 — ECOLOGICAL INFORMATION

Very toxic to aquatic organisms. Avoid environmental release.

SECTION 13 — DISPOSAL CONSIDERATIONS

Dispose in accordance with local regulations.

SECTION 14 — TRANSPORT INFORMATION

Not regulated for transport.

SECTION 15 — REGULATORY INFORMATION

This product is not intended for pesticide use.
TSCA: Listed.

SECTION 16 — OTHER INFORMATION

Prepared by Mendeleev Inc Safety Department
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