



Section 1 - Chemical Product and Company Identification

Product Name Cobalt (II) Sulphate Heptahydrate pure, 98%
Product Code 25710
CAS No 10026-24-1
Use for Laboratory Chemicals.
Company Name Sisco Research Laboratories Pvt. Ltd.
Address 608, B Wing, Satellite Gazebo, Andheri Ghatkopar Link Road,
Andheri (E), Mumbai - 400 099, India

Section 2 - Composition/Information on Ingredients

| CAS# | Chemical Name: | % | EINECS# |
|------------|---------------------|-------|-----------|
| 10026-24-1 | Cobalt(II) Sulphate | <=100 | 233-334-2 |

Section 3 - Hazards Identification



EMERGENCY OVERVIEW

Harmful if swallowed. May cause sensitization by inhalation and skin contact. May cause cancer by inhalation. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Hygroscopic (absorbs moisture from the air).

Potential Health Effects

Eye: May cause eye irritation.

Skin: May cause skin irritation. May be harmful if absorbed through the skin. May cause sensitization by skin contact.

Ingestion: Harmful if swallowed. May cause irritation of the digestive tract.

Inhalation: May cause respiratory tract irritation. May be harmful if inhaled. May cause respiratory sensitization.

Chronic:

Section 4 - First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

Skin: Get medical aid immediately. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion: Get medical aid immediately. Wash mouth out with water.

Inhalation: Get medical aid immediately. Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Notes to Physician:

Section 5 - Fire Fighting Measures



Product Code 25710

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Dangerous fire hazard in the form of dust when exposed to heat or flame.

Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or chemical foam.

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Avoid generating dusty conditions. Do not let this chemical enter the environment.

Section 7 - Handling and Storage

Handling: Do not breathe dust, vapor, mist, or gas. Do not get in eyes, on skin, or on clothing. Use only in a chemical fume hood.

Storage: Room temperature. Store in a tightly closed container. Store under nitrogen.

Section 8 - Exposure Control / Personal Protection

Engineering Controls: Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

Personal Protective Equipment

Eyes: Wear chemical splash goggles.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State: Solid

Molecular Formula: $\text{CoO}_4\text{S}_7\text{H}_2\text{O}$

Molecular Weight: 281.10

Melting point: 98°C (208°F)

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Incompatible materials, exposure to moist air or water.

Incompatibilities with

Other Materials : Strong oxidizing agents.

Hazardous Decomposition

Products : Carbon monoxide, carbon dioxide, cobalt/cobalt oxides.

Hazardous Polymerization : Will not occur

Section 11 - Toxicological Information



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Product Code 25710

RTECS#: CAS# 60459-08-7: None listed

LD50/LC50: RTECS: Not available. Other: Oral, rat: LD50 = 424 mg/kg (anhydrous CoSO₄)

Carcinogenicity: Cobalt(II) sulfate hydrate - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.

Other: See actual entry in RTECS for complete information.

Section 12 - Ecological Information

No data available

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations

Section 14 - Transport Information

| | IATA | IMO | ID/ADR |
|-----------------------|--|--|--|
| Shipping Name: | Environmentally Hazardous Substance, Solid, N.O.S. | Environmentally Hazardous Substance, Solid, N.O.S. | Environmentally Hazardous Substance, Solid, N.O.S. |
| Hazard Class: | 9 | 9 | 9 |
| UN Number: | 3077 | 3077 | 3077 |
| Packing Group: | III | III | III |

Section 15 - Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Section 16 - Other Information

Sisco Research Laboratories Pvt. Ltd. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.