

AERCHEM INC.
320 North Walnut
Bloomington, IN 47404

Tel: 812.334.9996 Fax: 812.334.1960 Emergency: 800.424.9300

SECTION 1: IDENTIFICATION

Effective Date: 8/98
Product Name: Cobalt Sulfate, heptahydrate
CAS No.: 10124-43-3
Percent by weight: Cobalt Sulfate 55%
Waters of hydration 45%

SECTION 2: HAZARDOUS INGREDIENTS:

Cobalt

SECTION 3: PHYSICAL DATA

Odor:	odorless
Appearance:	reddish-pink crystals
Melting point.:	N/A
Boiling point:	N/A
Decomposition temperature:	N/A
pH (depends on quality):	N/A
Solubility in water:	soluble
Specific gravity (water = 1)	1.95
Vapor density:	N/A
Vapor pressure:	N/A

SECTION 4: FIRE AND EXPLOSION DATA

Flash point:	N/A
Flammable limit:	N/A
Flammability:	combustible
Extinguishing media:	water
Fire fighting procedures:	use self-contained-breathing-apparatus
Unusual fire and explosions hazards:	N/A

SECTION 5: REACTIVITY DATA

Stable X Unstable

Decomposition byproducts: N/A

Incompatibilities/Condition to Avoid: N/A

Hazardous Polymerization: will not occur

SECTION 6: HEALTH HAZARD DATA

Toxicity: oral rat LD50 768 mg/kg

This product causes eye irritation and may cause skin and upper respiratory tract irritation. Overexposure to cobalt compounds may cause respiratory sensitization and an allergic skin rash. They are mildly irritating to the eyes and if ingested, may cause vomiting, diarrhea and a sensation of hotness. IARC states that cobalt compounds are possible carcinogenic to humans –Group 2B (Monograph 52)

Route of Entry: eye and skin contact, inhalation, and ingestion

Permissible Exposure limits:

TWA: 0.1 mg/M³

TLV: 0.02 mg/M³

SECTION 7: SPILLAGE AND DISPOSAL PROCEDURES

Spillage: Ventilate area of spill. Avoid generating dust. Collect material into appropriate containers for reuse or disposal. Material may also be flushed with water to a wastewater treatment system.

Disposal: Dispose in Closed containers, at an approved landfill, in accordance with local, state, and federal regulations. Material may also be flushed with water to a wastewater treatment system.

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SECTION 8: FIRST AID PROCEDURES

Eye Contact: Flush eyes with plenty of water for at least 15 minutes. Call a physician.
Skin Contact: Wash with soap and water. Seek medical attention if irritation persists.
Inhalation: Remove to fresh air. If not breathing, give artificial respiration. Seek medical attention.
Ingestion: Induce vomiting by giving two glasses of water and sticking fingers down throat. Call a physician.

SECTION 9: HANDLING AND STORAGE INFORMATION:

Avoid contact with eyes, skin and clothing. Avoid breathing dust. Wash thoroughly after handling. Store in closed containers. Avoid generating dust.

SECTION 10: SPECIAL PROTECTION INFORMATION:

Ventilation: Provide general and/or local exhaust ventilation.
Skin Protection: Use impervious gloves and body-covering clothing.
Eye Protection: Use side-shielded safety glasses or goggles.
Respiratory Protection: Use NIOSH/MSHA respirators if OSHA PEL is exceeded.

SECTION 11: TRANSPORT INFORMATION

DOT Classification: NOT DOT regulated.

SECTION 12: OTHER REGULATORY INFORMATION

OSHA hazard communication standard: Hazardous due to target organ effects (See Sect. 6)

SARA Title III: Section 311/312 Hazard Categories: Acute and Chronic Health Hazard

The information contained herein is furnished without warranty of any kind. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers.