



HAZTECH
SYSTEMS,™
INC.

Material Safety Data Sheet

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PPE (See Section 15)



HMIS

Health Hazard	2
Fire Hazard	0
Reactivity	0



Section 1. Chemical Product and Company Identification

Trade Name	Phosphorus Test 2	Part #	RE2145
Manufacturer	HazTech Systems, Inc. PO Box 929 Mariposa, CA 95338	CAS #	7791-13-1
		RTECS	GG0200000
		TSCA	TSCA 8(b) inventory: Cobalt chloride hexahydrate
Synonyms	Cobalt (II) chloride	CI #	
Chemical Formula	CoCl ₂ ·6H ₂ O	<div style="border: 1px solid black; padding: 5px;"> <p>In case of emergency contact CHEMTREC (24 hours) at 800-424-9300</p> <p>HazTech Systems, Inc. 800-337-2497</p> <p>Spectrum Chemical Mfg. Corp. 310-516-8000</p> </div>	
Supplier	Spectrum Chemical Mfg. Corp. 14422 S. San Pedro St. Gardena, CA 90248		

Section 2. Composition and Information on Ingredients

Name	CAS #	Exposure Limits			
		TWA (mg/m ³)	STEL	CEIL (mg/m ³)	% by Weight
Cobalt chloride hexahydrate	7791-13-1				100

Toxicological Data on Ingredients
Cobalt chloride hexahydrate:
ORAL (LD50): Acute: 766 mg/kg [Rat].

Section 3. Hazards Identification

Potential Acute Health Effects	Extremely hazardous in case of ingestion, of inhalation. Very hazardous in case of skin contact (irritant), of eye contact (irritant). Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.
Potential Chronic Health Effects	Extremely hazardous in case of ingestion, of inhalation. Very hazardous in case of skin contact or eye contact (irritant). CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to lungs, mucous membranes. Repeated or prolonged exposure to the substance can produce target organs damage. Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.



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Section 4. First Aid Measures

Eye Contact	Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.
Skin Contact	After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Cold water may be used. Cover the irritated skin with an emollient. If irritation persists, seek medical attention.
Inhalation	Allow the victim to rest in a well ventilated area. Seek immediate medical attention.
Ingestion	Do not induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Section 5. Fire and Explosion Data

Flammability	Non-flammable.
Auto-Ignition Temperature	Not applicable.
Flash Point	Not applicable.
Flammable Limits	Not applicable.
Products of Combustion	Not applicable.
Fire Hazards in Presence of Various Substances	Not applicable.
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.
Fire Fighting Media and Instructions	Not applicable.
Special Remarks on Fire Hazards	Not available.

Section 6. Accidental Release Measures

Small Spill	Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
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Section 7. Handling and Storage

Precautions	If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Do not breathe dust.
Storage	Keep dry and cool.

Section 8. Exposure Controls/Personal Protection

Engineering Controls	Use in a well ventilated area.
Personal Protection	Gloves and goggles.



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Section 9. Physical and Chemical Properties

Physical State and Appearance	Solid. (Deliquescent crystals solid.)	Volatility	Not available
Molecular Weight	237.93 g/mole	Odor Threshold	Not available
pH (1% Solution in Water)	5 [Acidic.]	Water/Oil Dist. Coeff.	Not available
Boiling Point	1049°C (1920.2°F)	Ionicity (in Water)	Not available
Melting Point	Decomposes. (54°C or 129.2°F)	Dispersion Properties	See solubility in water, methanol, acetone.
Critical Temperature	Not available	Solubility	Easily soluble in cold water. Soluble in methanol, acetone.
Specific Gravity	1.924 (Water = 1)	Odor	Not available
Vapor Pressure	Not available	Taste	Not available
Vapor Density	Not available	Color	Pink to red.

Section 10. Stability and Reactivity Data

Stability	Product is stable.	Corrosivity	Non-corrosive in presence of glass.
Instability Temperature	Not available.	Special Remarks on Corrosivity	Not available.
Conditions of Instability	Not available.	Polymerization	Will not polymerize.
Incompatibility with Various Substances	Not available.		

Section 11. Toxicological Information

Route of Entry	Eye contact. Inhalation. Ingestion.
Toxicity to Animals	Acute oral toxicity (LD50): 766 mg/kg [Rat].
Chronic Effects on Humans	The substance is toxic to lungs, mucous membranes.
Other Toxic Effects on Humans	Extremely hazardous in case of ingestion, of inhalation. Very hazardous in case of skin contact (irritant).
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	Not available.
Special Remarks on Other Toxic Effects on Humans	Not available.

Section 12. Ecological Information

Ecotoxicity	Not available.
BOD5 and COD	Not available.
Products of Biodegradation	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation	The products of degradation are as toxic as the original product.
Special Remarks on the Products of Biodegradation	Not available.

**Section 13. Disposal Considerations**

Waste Disposal Recycle to process, if possible. Consult your local or regional authorities.

Section 14. Transport Information

DOT Classification Not a DOT controlled material (United States).

Identification Not applicable.

Special Provisions for Transport Not applicable.

Section 15. Other Regulatory Information and Pictograms

Federal and State Regulations TSCA 8(b) inventory: Cobalt chloride hexahydrate
SARA 313 toxic chemical notification and release reporting: Cobalt chloride hexahydrate

California Proposition 65 Warnings

Other Regulation OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other classifications WHMIS (Canada) CLASS D-2A: Material causing other toxic effects (VERY TOXIC).
DSCCL (EEC) R22- Harmful if swallowed.
R38- Irritating to skin.
R41- Risk of serious damage to eyes.

Section 16. Other Information

Part number(s) CKU2840

Other Special Considerations Not available.

Validated by R. Turkington

Verified by R. Turkington

Call 1-800-543-5487

Notice to Reader

All chemicals may pose unknown hazards and should be used with caution. This Material Safety Data Sheet (MSDS) 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 MSDS. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this MSDS is based on technical data judged to be reliable, HazTech Systems, Inc., assumes no responsibility for the completeness or accuracy of the information contained herein.