

MATERIAL SAFETY DATA SHEET



Date Issued: 03/13/2007

MSDS No: CC

Revision No: New MSDS

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT CODE: COPY CHROME CRYSTALS

MANUFACTURER

CASWELL INC.
7696 ROUTE 31
LYONS NY 14489

Emergency Contact: 8004249300**Product Stewardship:** 3159461213**Transportation:** 8004249300**Service Number:** 3159461213

CASWELL INC.
7696 ROUTE 31
LYONS NY 14489
USA

Emergency Contact: CHEMTREC**Emergency Phone:** +1 703 527 3887**Service Number:** +1 315 946 1213**Transportation Number:** +1 703 527 3887

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC: 1 800 424 9300**CHEMTREC INTERNATIONAL: 703 527 3887**

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Dark purple powder.

POTENTIAL HEALTH EFFECTS

EYES: Causes eye irritation.**SKIN:** May cause skin irritation.**INGESTION:** Harmful if swallowed.**INHALATION:** Dust and processing vapors may cause respiratory tract irritation.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

CHRONIC EFFECTS: Frequent or prolonged contact may irritate the skin and cause a skin rash (dermatitis).**CARCINOGENICITY:** Cancer hazard.**ROUTES OF ENTRY:** Ingestion. Inhalation. Skin Contact. Eyes.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS	EINECS
Cobalt Sulfate	70 - 80	001024-43-3	- -
Cobalt (ii) Chloride	20 - 30	007646-79-9	- -
Boric Acid	5 - 10	011113-50-1	234-343-4

4. FIRST AID MEASURES

EYES: Flush eye with water for 15 minutes. Get medical attention.

SKIN: Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

INGESTION: If swallowed, induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: Not Flammable

EXTINGUISHING MEDIA: Any available.

FIRE FIGHTING PROCEDURES: As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Clean up spills immediately, observing precautions in Protective Equipment section.

LARGE SPILL: Dike area to contain spill. Take precautions as necessary to prevent contamination of ground and surface waters. Recover spilled material on adsorbent, such as sawdust or vermiculite, and sweep into closed containers for disposal. After all visible traces, including ignitable vapors, have been removed thoroughly wet vacuum the area. Do not flush to sewer. If area of spill is porous, remove as much contaminated earth and gravel, etc. as necessary and place in closed containers for disposal.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Use with adequate ventilation.

HANDLING: Follow all MSDS/label precautions even after container is emptied because they may retain product residues.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)					
		EXPOSURE LIMITS			
		OSHA PEL		ACGIH TLV	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³
Cobalt Sulfate	TWA	0.1		0.02	
	STEL			0.02	
Cobalt (ii) Chloride	TWA				0.02

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear safety glasses with side shields (or goggles) and a face shield.

SKIN: Wear rubber gloves.

RESPIRATORY: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

PROTECTIVE CLOTHING: Wear suitable protective clothing at all times.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Solid

ODOR: None

APPEARANCE: Dark purple crystals

FLASHPOINT AND METHOD: Not Flammable

SOLUBILITY IN WATER: 62

SPECIFIC GRAVITY: 2.070

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of sulfur and the contained metal.

INCOMPATIBLE MATERIALS: Strong oxidizers, tert-butyl hydroperoxide.

11. TOXICOLOGICAL INFORMATION**ACUTE**

ORAL LD₅₀: 424 mg/kg (rat)

CARCINOGENICITY

IARC: Yes.

NTP: None

OSHA: None

12. ECOLOGICAL INFORMATION

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Consult appropriate federal, local regulations for disposal. Empty containers are subject to same regulations.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Nonhazardous

15. REGULATORY INFORMATION**UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

FIRE: No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** Yes

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Boric Acid	011113-50-1

TSCA STATUS: All ingredients in this mixture are in compliance with TSCA.

CALIFORNIA PROPOSITION 65: WARNING:

THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

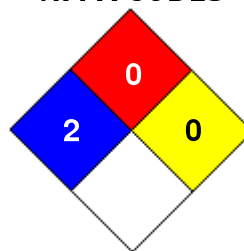
16. OTHER INFORMATION

APPROVED BY: L CASWELL **TITLE:** PRESIDENT

REVISION SUMMARY: New MSDS

HMIS RATING

HEALTH:	<input type="text"/>	2
FLAMMABILITY:	<input type="text"/>	0
PHYSICAL HAZARD:	<input type="text"/>	0
PERSONAL PROTECTION:	C	

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