



Issuing Date 16-Aug-2011

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Revision Number 1

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING

**Product Name** Cobalt Chloride Hexahydrate  
**Product Code(s)** J297  
**Recommended Use** For Further Manufacturing Use Only  
Not for Human or Animal Drug Use  
**Synonyms** CHLOREK COBALTAWY (POLISH) \* COBALT CHLORIDE, HEXAHYDRATE (8CI,9CI) \*COBALT DICHLORIDE HEXAHYDRATE \* COBALTOUS CHLORIDE, HEXAHYDRATE \*  
**Company**  
AMRESKO, LLC  
6681 Cochran Road  
Solon, Ohio 44139  
**Emergency Telephone Number** Chemtrec 1-800-424-9300  
**Company Phone Number** 1-800-448-4442  
**E-mail Address** info@amresco-inc.com

2. HAZARDS IDENTIFICATION

GHS - Classification

**Classification** Skin Corrosion 1A Serious Eye Damage/Irritation 1 Carcinogen 1B Toxic to Reproduction 1B Skin Sensitizer 1 Respiratory Sensitizer 1 Acute Toxicity Oral 4

**Signal Word** Danger



**Hazard Statements** H302 - Harmful if swallowed H314 - Causes severe skin burns and eye damage H317 - May cause an allergic skin reaction H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled H350 - May cause cancer H360 - May damage fertility or the unborn child

**Precautionary Statements** P261 - Avoid breathing dust/fume/gas/mist/vapors/spray P280 - Wear protective gloves/protective clothing/eye protection/face protection P302+ P352 - IF ON SKIN: Wash with plenty of soap and water P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	EC No.	REACH Reg. No.	CAS-No	Weight %	Classification
Cobalt Chloride Hexahydrate	-	Not available	7791-13-1	95-100	-

### 4. FIRST AID MEASURES

**General Advice** Immediately call a POISON CENTER or doctor/physician.

**Eye Contact** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician

**Skin Contact** Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes

**Inhalation** Move to fresh air. If breathing becomes difficult, give oxygen

**Ingestion** Clean mouth with water and afterwards drink plenty of water

**Notes to Physician** Treat symptomatically

### 5. FIRE-FIGHTING MEASURES

**Flammable Properties** Not flammable

**Flash Point** Not determined

**Suitable Extinguishing Media** Dry chemical, CO2, water spray or regular foam

**Hazardous Combustion Products** Hydrogen Chloride gas

**Explosion Data**

- Sensitivity to Mechanical Impact** Not sensitive
- Sensitivity to Static Discharge** Not sensitive

**Protective Equipment and Precautions for Firefighters** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions** Avoid contact with skin, eyes and clothing. Use personal protective equipment. Ensure adequate ventilation

**Methods for Containment** Prevent further leakage or spillage if safe to do so

**Methods for Cleaning Up** Avoid dust formation. Pick up and transfer to properly labeled containers. Ventilate area and wash spill site after material pickup is complete.

**7. HANDLING AND STORAGE**

**Handling** Handle in accordance with good industrial hygiene and safety practice. Protect from moisture.

**Storage** Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from moisture.

**Incompatible Products** Strong oxidizing agents. Alkali metals.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Cobalt Chloride Hexahydrate 7791-13-1			

**Engineering Measures** Showers  
Eyewash stations  
Ventilation systems

**Personal Protective Equipment**

**Eye/Face Protection** Tightly fitting safety goggles

**Skin and Body Protection** Wear protective gloves/clothing

**Respiratory Protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Pinkish-red	
<b>Odor</b>	No information available	
<b>Odor Threshold</b>	No information available	
<b>Decomposition Temperature °C</b>	No information available	
<b>Freezing Point</b>	No information available	
<b>Initial Boiling Point</b>	No information available	
<b>Physical State</b>	Crystals	
<b>pH</b>	No data available	
<b>Flash Point</b>	Not determined	
<b>Autoignition Temperature</b>	No data available	
<b>Boiling Point/Range</b>	No data available	
<b>Melting Point/Range</b>	No data available	
<b>Flammability Limits in Air</b>	<b>Upper</b> No data available	<b>Lower</b> No data available
<b>Explosive Properties</b>	No information available	
<b>Oxidizing Properties</b>	No information available	
<b>Evaporation Rate</b>	No data available	
<b>MMHG @ 37.8 C</b>	No data available	
<b>Vapor Density</b>	No data available	
<b>Specific Gravity</b>	No data available	
<b>Solubility</b>	No information available	
<b>Partition Coefficient (n-octanol/water)</b>	No data available	
<b>Viscosity</b>	No information available	

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under recommended storage conditions
<b>Incompatible Products</b>	Strong oxidizing agents. Alkali metals.
<b>Conditions to Avoid</b>	Protect from moisture.
<b>Hazardous Decomposition Products</b>	Carbon oxides
<b>Hazardous Polymerization</b>	Hazardous polymerization does not occur

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

**Product Information** Corrosive, causes burns. Harmful if swallowed.

### Chronic Toxicity

**Chronic Toxicity** Suspected carcinogen. Suspected teratogen.

**Target Organ Effects** Blood, Heart, Male reproductive system.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

The environmental impact of this product has not been fully investigated

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method** Dispose of material in accordance with all federal, state, and local regulations

**Contaminated Packaging** Dispose of in accordance with all federal, state and local regulations

## 14. TRANSPORT INFORMATION

### IATA

**UN-No** 3260  
**Proper Shipping Name** Corrosive Solid, Acidic, Inorganic, N.O.S. (contains Cobalt Chloride)  
**Hazard Class** 8  
**Packing Group** II

### DOT

**Proper Shipping Name** Corrosive Solid, Acidic, Inorganic, N.O.S. (contains Cobalt Chloride)  
**Hazard Class** 8  
**UN-No** 3260  
**Packing Group** II

## 15. REGULATORY INFORMATION

**REACH Title VII Restrictions** No information available.

Chemical Name	Dangerous Substances	Organic Solvents	Harmful Substances Whose Names Are to be Indicated on the Label	Pollution Release and Transfer Registry (Class II):	Pollution Release and Transfer Registry (Class I):	Poison and Deleterious Substances Control Law:
Cobalt Chloride Hexahydrate	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Component	ISHA - Harmful Substances Prohibited for Manufacturing, Importing, Transferring, or Supplying	ISHA - Harmful Substances Requiring Permission	Toxic Chemical Classification Listing (TCCL) - Toxic Chemicals	Toxic Release Inventory (TRI) - Group I	Toxic Release Inventory (TRI) - Group II
Cobalt Chloride Hexahydrate 7791-13-1 ( 95-100 )	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

**International Inventories**

TSCA Does not Comply  
 EINECS/ELINCS Does not Comply  
 ENCS Does not Comply  
 IECSC Does not Comply  
 KECL Does not Comply  
 PICCS Does not Comply  
 AICS Does not Comply

**U.S. Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

Acute Health Hazard Yes  
 Chronic Health Hazard Yes  
 Fire Hazard No  
 Sudden Release of Pressure Hazard No  
 Reactive Hazard No

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990

**CERCLA**

**U.S. State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**International Regulations**

**Mexico - Grade** No information available.

**Canada**

**WHMIS Hazard Class**

E Corrosive material  
D2A Very toxic materials  
D2B Toxic materials



**16. OTHER INFORMATION**

**Issuing Date** 16-Aug-2011

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**Revision Note**  
No information available.

**Recommended Restrictions** No information available

**Disclaimer**

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of MSDS**