



# Safety Data Sheet

Better Chemistry. Better Business

**ELECTROBLACK CONC. RO**

**Revised:** 8/24/16

## 1 IDENTIFICATION

**Product Name:** ELECTROBLACK CONC. RO

**Product Code :**2830000

**Recommended use of the chemical and restrictions on use:**Industrial applications

### Hubbard-Hall Inc.

563 South Leonard Street

Waterbury, CT 06708

**Telephone:** 203-756-5521

**Fax number:** 203-756-9017

Emergency Phone Number

**CHEMTREC:** 1 (800) 424-9300

**International:** 1 (703) 527-3887

## 2 HAZARDS IDENTIFICATION



**Signal Word:** DANGER

**Hazard Category:** Specific Target Organ Toxicity (Repeated Exposure) Hazard Category 1

Acute Toxicity-Oral Hazard Category 4

Acute Toxicity-Inhalation Hazard Category 4

Carcinogenicity Hazard Category 1A

Skin Corrosion/Irritation Hazard Category 2

Toxic to Reproduction Hazard Category 1A

Sensitization-Skin Hazard Category 1B

Sensitization Respiratory Hazard Category 1B

Germ Cell Mutagenicity Hazard Category 2

Eye Damage/Irritation Hazard Category 2A

**Hazard Statements:** Harmful if swallowed or inhaled.

Causes damage to organs through prolonged or repeated exposure.

Causes skin irritation.

May cause cancer.

May cause an allergic skin reaction.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Suspected of causing genetic defects

May damage fertility or the unborn child.

Causes serious eye irritation.

**Prevention:** Do not breathe dust, fumes, gas, mist, vapors or spray.  
Wash skin thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Wear rubber gloves, goggles and chemical protective clothing.  
In case of inadequate ventilation wear respiratory protection.  
Obtain special instruction before use.  
Do not handle until all safety precautions have been read and understood.  
Contaminated work clothing must not be allowed out of the workplace.

**Response:** If swallowed: Rinse mouth. Do NOT induce vomiting.  
Rinse Mouth  
If on skin: Wash with plenty of water.  
Immediately call poison center or doctor and explain the type of exposure to the chemical(s) and provide the name of the chemical(s).  
If inhaled: Remove person to fresh air and keep comfortable for breathing.  
Get medical advice/attention if you feel unwell.  
Take off contaminated clothing and wash it before reuse.  
If exposed or concerned: Get medical advice/attention.  
If in eyes: Wash cautiously with water for several minutes. Remove contact lenses if present and easy to do Continue rinsing. If eye irritation persists, get medical attention

**Storage:** Store in well ventilated place. Keep container tightly closed.  
Store locked up.

**Disposal:** Dispose of contents/container in accordance with local, regional, national, or international regulations.

**Components with Unknown Acute Toxicity** Oral = 45% Dermal = 45%

### 3 COMPOSITION INFORMATION

Chemical Name	Common Name And Synonyms	CAS No. and other Unique identifiers	Concentration %
Nickel Carbonate	-	12607-70-4	~35%
Tin Compounds	-	12027-70-2	~50%

### 4 FIRST AID

**After Inhalation:**

If inhaled: Remove person to fresh air and keep comfortable for breathing. Get medical attention.

**After Skin Contact:**

Immediately remove contaminated clothing under a safety shower. Flush all affected areas with large amounts of water for 15 minutes. DO NOT attempt to neutralize with chemical agents. Obtain medical advice.

**After Eye Contact:**

Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Call a physician or poison control center immediately.

**After Ingestion:**

If swallowed: Get immediate medical attention.

### Most Important Symptoms/Effects

**Inhalation:**

Prolonged excessive exposure may cause adverse effects. Excessive exposure may cause irritation to the upper respiratory tract (nose and throat).

**Eye:**  
Severe eye and or skin irritation or burns.

**Skin:**  
May cause an allergic skin reaction.

**Ingestion:**  
Ingestion: May cause irritation and burning of the lips, mouth and throat,

## 5 FIRE FIGHTING MEASURES

**Suitable and Unsuitable extinguishing media:** Will not burn or support combustion. Use extinguishing media appropriate for surrounding fire, such as water spray, dry chemical, foam or carbon dioxide.

**Special protective equipment and precautions for firefighter** Fire fighters should enter area only if they are protected from all contact with the materail. Full protective clothing, including self-contained breathing apparatus, coat, pants, gloves, boots and bands around legs, arms, and waist, should be worn. No skin surfaces should be exposed.

## 6 ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment, & Emergency Proc** Prevent spilled product from drains, sewers, waterways and soil.

**Methods and Materials for containment & cleaning up:** If trained in accordance 29 CFR 1910.120, leaks should be stopped. Spills should be contained and cleaned immediately. Persons performing clean up work should wear adequate personal protective equipment and clothing. Spills and releases should be reported, if required, to the appropriate local, state and federal regulatory agencies.

## 7 HANDLING AND STORAGE

**Precautions for safe handling:** Use in well ventilated area.  
Wash hands thoroughly after handling.  
Wear rubber gloves, goggles and chemical protective clothing.  
Do not get in eyes, or on skin, or on clothing.  
Eating, drinking and smoking in the work area is prohibited.  
Rinse empty containers with water 3 times. Test the last rinsing water for cyanide.

**Conditions for safe storage, inc any incompatibilities:** Keep container tightly closed.  
Store away from incompatible materials. ( See section 10).  
Separate from water, acids, and carbon dioxide. Areas where exposure to cyanide may occur should be clearly identified and access to the area should be limited to authorized personnel. Keep away from food and drinking water.

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Name	Std.	TWA-8hrs	STEL - 15 min.
Nickel Carbonate	ACGIH	1 mg/m3 as Ni	-
Tin Compounds	ACGIH	2 mg/m3 as Sn	-

ACGIH - American Control of Governmental Hygenists  
OSHA - Occupational Safety and Health Administration

<b>Ventilation:</b>	Use local exhaust to keep personal exposures below the OSHA Permissible Exposure Limit (s) (PEL) or the ACGIH threshold Limit Values (TLV)Time Weight Average (TWA).
<b>Respiratory Protection:</b>	A respiratory protection program that meets OSHA 29 CFR 1910.134 and ANSI 788.2 or applicable federal requirements must be followed whenever work place conditions warrant respirator use. NIOSH's Respirator Decision Logic" may be useful in determining the suitability of various types of respirators.
<b>Other:</b>	Safety shower in work area.
<b>Protective Gloves:</b>	Butyl or neoprene gloves
<b>Eye Protection:</b>	Wear chemical safety goggles with face shield.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Greenish to orange-green granular mixture
<b>Odor:</b>	No odor
<b>Odor Threshold:</b>	N/A
<b>PH:</b>	>10.0 (1% solution)
<b>Melting Point/Freezing Point:</b>	N/A
<b>Initial Boiling Point and Boiling Range:</b>	N/A
<b>Flash Point:</b>	N/A
<b>Evaporation Rate:</b>	N/A
<b>Flammability (solid, gas):</b>	N/A
<b>Upper/Lower flammability or explosive limits:</b>	N/A
<b>Vapor Pressure:</b>	N/A
<b>Vapor Density:</b>	N/A
<b>Relative Density:</b>	N/A
<b>Solubility (ies):</b>	Dispersible
<b>Partition Coefficient; n-octanol/water:</b>	N/A
<b>Auto-ignition Temperature:</b>	N/A
<b>Decomposition Temperature:</b>	N/A
<b>Viscosity:</b>	N/A

## 10 STABILITY AND REACTIVITY

<b>Reactivity:</b>	Hazardous Polymerization will not occur.
<b>Chemical Stability:</b>	Stable
<b>Possibility of Hazardous Reactions:</b>	Hazardous polymerization does not occur.
<b>Conditions to Avoid:</b>	Extreme temperatures. Contact with incompatible material. Light. Moisture.
<b>Incompatible Materials:</b>	Avoid contact with strong oxidizers and strong acids.
<b>Hazardous Decomposition Products:</b>	Carbon Dioxide, Carbon Monoxide  Oxides of Tin, Sodium Oxide.

## 11 TOXICOLOGICAL INFORMATION

<b>Cancer Hazard:</b>	Nickel compounds Listed by NTP as Known Carcinogen, IARC Group 1 and under OSHA
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## 12 ECOLOGICAL INFORMATION

Persistence and Degradability: Not Available  
Abiotic degradability: No data available

## 13 DISPOSAL CONSIDERATION

*Dispose of in accordance with local, state and federal regulations.*

## 14 TRANSPORT INFORMATION

UN Number:  
UN Proper Shipping Name: NOT D.O.T REGULATED  
Transport Hazard Class (es):  
Packing Group:  
ERG:

## 15 REGULATORY INFORMATION

HMIS: Health: 2 Flammability: 0 Reactivity: 0

## 16 OTHER INFORMATION

**Disclaimer:** The information is based on our knowledge to date but does not constitute an assurance of product properties and does not imply a legal contractual relationship.