1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS Name: Cobalt(II) acetate
Synonyms: Cobaltous acetatetetrahydrate
Company Identification: Sisco Research Laboratories Pvt. Ltd.
Andheri (East), Mumbai – 400 099.
Tel : +91 22 2687 2601
Fax : +91 22 2687 8241
Website : www.srlchem.com

2 - COMPOSITION, INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>CAS#</th>
<th>Chemical Name</th>
<th>%</th>
<th>EINECS#</th>
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<tr>
<td>6147-53-1</td>
<td>Cobalt(II) acetate</td>
<td>99%</td>
<td>200-755-8</td>
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3 - HAZARDS IDENTIFICATION

Risk advice to man and the environment
Harmful if swallowed. Irritating to skin. Limited evidence of a carcinogenic effect. May cause sensitization by skin contact. May cause long-term adverse effects in the aquatic environment.

4 - FIRST AID MEASURES

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance.
Eyes: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Skin: Wash off with soap and plenty of water. Consult a physician.
Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Inhalation: If breathed in, move person into fresh air. If not breathing give artificial respiration Consult a physician.

Notes to Physician:

5 - FIRE FIGHTING MEASURES

Extinguishing Media
Suitable: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special Protective Equipment For Firefighters: Wear self contained breathing apparatus for fire fighting if necessary.
### 6 - ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.

**Environmental precautions:** Do not let product enter drains. Discharge into the environment must be avoided.

**Methods for cleaning up:** Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

### 7 – HANDLING AND STORAGE

**Handling:** Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

**Storage:** Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Hygroscopic.

### 8 – EXPOSURE CONTROLS, PERSONAL PROTECTION

**Personal Protective Equipment**

**Respiratory Protection:** Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Hand Protection:** The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Handle with gloves.

**Eye Protection:** Safety glasses

**Skin and body protection:** Choose body protection according to the amount and concentration of the dangerous substance at the work place.

**Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

### 9 - PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Solid

**Molecular Formula:** $\text{C}_4\text{H}_6\text{CoO}_4 \cdot 4\text{H}_2\text{O}$

**Molecular Weight:** 249.09

### 10 - STABILITY AND REACTIVITY

**Storage stability:** Stable under recommended storage conditions.

**Conditions to avoid:** Heat.

**Hazardous decomposition**

**Products formed under fire**
**11 - TOXICOLOGICAL INFORMATION**

**Acute toxicity:**
LD50 Oral - rat - 708 mg/kg

**Remarks:**
Behavioral: Somnolence (general depressed activity).
Lungs, Thorax, or Respiration: Dyspnea.

**Nutritional and Gross Metabolic:**
Weight loss or decreased weight gain.

**Irritation and corrosion:**
Skin - rabbit - Skin irritation - 24 h
Eyes - rabbit - Mild eye irritation - 24 h

**Sensitisation:**
May cause allergic skin reaction.

**Chronic exposure:**
This product is or contains a component that has been reported to be possibly carcinogenic based on its IARC, ACGIH, NTP, or EPA classification.

**IARC:**
No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. Genotoxicity in vitro - Human – lymphocyte. Cytogenetic analysis

**Potential Health Effects**

**Inhalation:**
May be harmful if inhaled. May cause respiratory tract irritation.

**Skin:**
May be harmful if absorbed through skin. Causes skin irritation.

**Eyes:**
May cause eye irritation.

**Ingestion:**
Harmful if swallowed.

**Target Organs:**
Lungs, Thyroid., Blood.

**12 - ECOLOGICAL INFORMATION**

No data available.

**13 - DISPOSAL CONSIDERATIONS**

**Product:**
Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

**Contaminated packaging:**
 Dispose of as unused product.

**14 - TRANSPORT INFORMATION**

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<thead>
<tr>
<th></th>
<th>IATA</th>
<th>IMO</th>
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<tr>
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<tr>
<td><strong>Packing Group:</strong></td>
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</table>
15 - REGULATORY INFORMATION

Labelling according to EC Directives
Hazard symbols: Xn Harmful
R-phrase(s): R22 Harmful if swallowed. R38 Irritating to skin. R40 Limited evidence of a carcinogenic effect. R43 May cause sensitization by skin contact. R53 May cause long-term adverse effects in the aquatic environment.
S-phrase(s): S36/37 Wear suitable protective clothing and gloves. S61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

16 - ADDITIONAL INFORMATION

SISCO RESEARCH LABORATORIES provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.