**OXFORD LAB FINE CHEM LLP**

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Oxford
Range of
Laboratory Chemicals

# MATERIAL SAFETY DATA SHEET

## SODIUM COBALTINITRITE

**Extra Pure**

**MSDS CAS: - 13600-98-1**

## Section 1: Chemical Product and Company Identification

**Section 1: Chemical Product**
**Product Name: SODIUM COBALTINITRITE Extra Pure**
**CAS#: - 13600-98-1**
**C.I. No.: Not available.**
**Synonym: Not available.**
**Chemical Name: Not available.**
**Chemical Formula: $Na_3Co(NO_2)_6$**

**Brand: OXFORD**

**Details Of The Supplier Of The Safety Data Sheet:**

**Company identification:** **OXFORD LAB FINE CHEM LLP**
**Unit. No. 12, 1st Floor, Neminath Industrial Estate No. 6,**
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**Tel: 91-250-2390989**
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## Section 2: Composition and Information on Ingredients

**Composition:**

| Name | CAS # | % by Weight |
|---|---|---|
| Sodium cobaltinitrite | 13600-98-1 | 100 |

# Section 3: Hazards Identification

**Potential Acute Health Effects:**
**Very hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. Prolonged exposure may result in skin burns and ulcerations. Over-exposure by inhalation may cause respiratory irritation. 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:**
**Very hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to blood, kidneys, lungs, liver, 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.**

# Section 4: First Aid Measures

**Eye Contact:** **Check for and remove any contact lenses. 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. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention.**

**Serious Skin Contact:**
**Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.**

**Inhalation:** **Allow the victim to rest in a well ventilated area. Seek immediate medical attention.**

**Serious Inhalation:**
**Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.**

**Ingestion:**
**Do not induce vomiting. 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.**

**Serious Ingestion:** **Not available.**

# Section 5: Fire and Explosion Data

**Flammability of the Product:** **Non-flammable.**

**Auto-Ignition Temperature:** **Not applicable.**

## Section 5: Fire and Explosion Data (Continued)

**Flash Points:** Not applicable.
**Flammable Limits:** Not applicable.
**Products of Combustion:** Not available.
**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.
**Special Remarks on Explosion Hazards:** Not available.

## Section 6: Accidental Release Measures

**Small Spill:** Use appropriate tools to put the spilled solid in a convenient waste disposal container.
**Large Spill:**
Oxidizing material. Stop leak if without risk. Avoid contact with a combustible material (wood, paper, oil, clothing...). Keep substance damp using water spray. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal.

## Section 7: Handling and Storage

**Precautions:**
Keep away from heat. Keep away from sources of ignition. Keep away from combustible material Do not breathe dust. In case of insufficient ventilation, wear suitable respiratory equipment If you feel unwell, seek medical attention and show the label when possible. Avoid contact with skin and eyes
**Storage:** Oxidizing materials should be stored in a separate safety storage cabinet or room.

## Section 8: Exposure Controls/Personal Protection

**Engineering Controls:**
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

# Section 8: Exposure Controls/Personal Protection (Continued)

**Personal Protection:**
**Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.**

**Personal Protection in Case of a Large Spill:**
**Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.**

**Exposure Limits: Not available.**

# Section 9: Physical and Chemical Properties

| | |
|---|---|
| **Physical state and appearance** | **: Solid. (Solid crystalline powder.)** |
| **Odor** | **: Not available.** |
| **Taste** | **: Not available.** |
| **Molecular Weight** | **: 403.94 g/mole** |
| **Color** | **: Yellow. to Yellowish-brown.** |
| **pH (1% soln/water)** | **: Not available.** |
| **Boiling Point** | **: Not available.** |
| **Melting Point** | **: Decomposes.** |
| **Critical Temperature** | **: Not available.** |
| **Specific Gravity** | **: Not available.** |
| **Vapor Pressure** | **: Not applicable.** |
| **Vapor Density** | **: Not available.** |
| **Volatility** | **: Not available.** |
| **Odor Threshold** | **: Not available.** |
| **Water/Oil Dist. Coeff.** | **: Not available.** |
| **Ionicity (in Water)** | **: Not available.** |
| **Dispersion Properties** | **: Not available.** |
| **Solubility** | **: Not available.** |

## Section 10: Stability and Reactivity Data

**Stability:** The product is stable.
**Instability Temperature:** Not available.
**Conditions of Instability:** Not available.
**Incompatibility with various substances:** Not available.
**Corrosivity:** Non-corrosive in presence of glass.
**Special Remarks on Reactivity:** Not available.
**Special Remarks on Corrosivity:** Not available.
**Polymerization:** No.

## Section 11: Toxicological Information

**Routes of Entry:** Eye contact. Inhalation. Ingestion.
**Toxicity to Animals:**
LD50: Not available. LC50: Not available.
**Chronic Effects on Humans:** The substance is toxic to blood, kidneys, lungs, liver, mucous membranes.
**Other Toxic Effects on Humans:** Very hazardous in case of skin contact (irritant), of ingestion, of inhalation.
**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 more toxic.
**Special Remarks on the Products of Biodegradation:** Not available.

# Section 13: Disposal Considerations

**Waste Disposal:**

# Section 14: Transport Information

**14.1. Land transport (ADR-RID)**

| | |
|---|---|
| **Proper shipping name** | **: OXIDIZING SOLID, N.O.S.** |
| **UN N°** | **: 1479** |
| **H.I. nr** | **: 50** |
| **ADR - Class** | **: 5.1** |
| **Labelling - Transport** | **: 5.1 : Oxidizing substances.** |

**Sea transport (IMDG) [English only]**

| | |
|---|---|
| **Proper shipping name** | **: OXIDIZING SOLID, N.O.S.** |
| **UN N°** | **: 1479** |
| **IMO-IMDG - Class or division** | **: 5.1 : Oxidizing substances.** |
| **IMO-IMDG - Packing group** | **: II** |

**Air transport (ICAO-IATA) [English only]**

| | |
|---|---|
| **Proper shipping name** | **: OXIDIZING SOLID, N.O.S.** |
| **UN N°** | **: 1479** |
| **IATA - Class or division** | **: 5.1 : Oxidizing substances.** |
| **IATA - Packing group** | **: II** |

# Section 15: Other Regulatory Information

**Federal and State Regulations:** **TSCA 8(b) inventory: Sodium cobaltinitrite**
**Other Regulations:** **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).**

## Section 15: Other Regulatory Information (Continued)

**DSCL (EEC):**
**R38- Irritating to skin. R41- Risk of serious damage to eyes.**
**HMIS (U.S.A.):**
**Health Hazard: 2**
**Fire Hazard: 0**
**Reactivity: 0**
**Personal Protection: E**
**National Fire Protection Association (U.S.A.):**
**Health: 2**
**Flammability: 0**
**Reactivity: 0**
**Specific hazard:**
**Protective Equipment:**
**Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.**

## Section 16 - Additional Information

**References: Not available.**

**Other Special Considerations: Not available.**

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