OXFORD LAB FINE CHEM LLP

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Oxford
Range of
Laboratory Chemicals

MATERIAL SAFETY DATA SHEET

COBALT (II) THIOCYANATE

(Cobaltous Thiocyanate)

MSDS CAS: 3017-60-5

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name: COBALT (II) THIOCYANATE
CAS#: 3017-60-5
Synonym: cobaltous thiocyanate
Chemical Name: Cobalt (II) Thiocyanate
Chemical Formula: $C_2CoN_2S_2$

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,
Navghar, Vasai (East). Palghar - 401 210.
Mumbai, Maharashtra, INDIA.
Tel: 91-250-2390989
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Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight	Hazardous
Cobalt (II) Thiocyanate	3017-60-5	100	Yes

Section 3: Hazards Identification

Risk advice to man and the environment:
Harmful by inhalation, in contact with skin and if swallowed. Contact with acids liberates very toxic gas. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Section 4: First Aid Measures

General advice:
Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled:
If breathed in, move person into fresh air. If not breathing give artificial respiration Consult a physician.

In case of skin contact:
Wash off with soap and plenty of water. Consult a physician.

In case of eye contact:
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed:
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Section 5: Fire and Explosion Data

Suitable extinguishing media:
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for fire-fighters:
Wear self-contained breathing apparatus for firefighting if necessary.

Section 6: Accidental Release Measures

Personal precautions:
Wear respiratory protection. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.

Environmental precautions:
Prevent further leakage or spillage if safe to do so. 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.

Section 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. Do not store near acids. Handle and store under inert gas. Hygroscopic.

Section 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.

Section 8: Exposure Controls/Personal Protection (Continued)

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.

Section 9: Physical and Chemical Properties

Appearance Form	**: Powder.**
Molecular Weight	**: 175.1 g/mole.**
pH	**: No data available.**
Melting point	**: No data available.**
Boiling point	**: No data available.**
Flash point	**: No data available.**
Ignition temperature	**: No data available.**
Lower explosion limit	**: No data available.**
Upper explosion limit	**: No data available.**
Water solubility	**: No data available.**

Section 10: Stability and Reactivity Data

Storage stability:
Stable under recommended storage conditions.

Conditions to avoid: **Avoid moisture.**

Materials to avoid: **Oxidizing agents, acids.**

Section 10: Stability and Reactivity Data (Continued)

Hazardous decomposition products:
Hazardous decomposition products formed under fire conditions. - Nitrogen oxides (NOx), Sulphur oxides, Cobalt/cobalt oxides.

Section 11: Toxicological Information

Acute toxicity: **No data available.**

Irritation and corrosion: **No data available.**

Sensitization: **No data available.**

Chronic exposure:
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.**

Signs and Symptoms of Exposure:
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated, Nausea, Headache, Vomiting.

Potential Health Effects:
Inhalation **Harmful if inhaled. May cause respiratory tract irritation.**
Skin **Harmful if absorbed through skin. May cause skin irritation.**
Eyes **May cause eye irritation.**
Ingestion **Harmful if swallowed.**
Target Organs **Lungs, Thyroid.**

Section 12: Ecological Information

Elimination information (persistence and degradability): **No data available.**

Ecotoxicity effects: **No data available.**

Section 12: Ecological Information (Continued)

Further information on ecology:
Very toxic to aquatic or genism's, may cause long-term adverse effects in the aquatic environment. Avoid release to the environment.

Section 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.**

Section 14: Transport Information

Land transport (ADR-RID)
Proper shipping name: ENVIRONMENTALLYHAZARDOUS SUBSTANCE, SOLID, N.O.S. (Cobalt (II) thiocyanate)
UN N°: 3077
ADR - Class: 9
ADR - Packing group: III

Sea transport (IMDG) [English only]
Proper shipping name: ENVIRONMENTALLYHAZARDOUS SUBSTANCE, SOLID, N.O.S. (Cobalt (II) thiocyanate)
UN N°: 3077
IMO-IMDG - Class or division: 9
IMO-IMDG - Packing group: III

Air transport (ICAO-IATA) [English only]
Proper shipping name: Environmentally hazardous substance, solid n.o.s. (Cobalt (II) thiocyanate)
UN N°: 3077
IATA - Class or division: 9
IATA - Packing group: III

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Section 15: Other Regulatory Information

Labelling according to EC Directives

EC Label
Hazard symbols
Xn Harmful
N Dangerous for the environment.

R-phrase(s):

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
R32 Contact with acids liberates very toxic gas.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrase(s):

S13 Keep away from food, drink and animal feedingstuffs.
S60 This material and its container must be disposed of as hazardous waste.
S61 Avoid release to the environment. Refer to special instructions/ Safety data sheets.

Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

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