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MATERIAL SAFETY DATA SHEET

NICKEL BROMIDE 98% MSDS CAS: 13462-88-9

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name: Nickel Bromide

CAS#: 13462-88-9

Synonym: Not available.

Chemical Name: Not available.

Chemical Formula: Br₂Ni

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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Mumbai, Maharashtra, INDIA.
Tel: 91-250-2390989
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Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Nickel Bromide	13462-88-9	100

Section 3: Hazards Identification

Risk advice to man and the environment:

May cause cancer. Also harmful if swallowed. May cause sensitization by skin contact. 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 fire fighting if necessary.

Section 6: Accidental Release Measures

Personal precautions:

Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation. Evacuate personnel to safe areas.

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.

Section 6: Accidental Release Measures (Continued)

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 exposure - obtain special instructions before use. 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

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. Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N99 (US) or type P2 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air 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:

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

Section 9: Physical and Chemical Properties

Physical State	: Solid
Molecular Weight	: 218.50 g/mole
Melting point	: 963 °C
Boiling point	: No data available
Flash point	: Not applicable
Ignition temperature	: No data available
Lower explosion limit	: No data available
Upper explosion limit	: No data available
Density	: 5,098 g/mL at 25 °C
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: Strong acids, Strong oxidizing agents

Hazardous decomposition products:

Hazardous decomposition products formed under fire conditions. - Hydrogen bromide gas, Nickel/nickel oxides.

Section 11: Toxicological Information

Acute toxicity: No data available

Irritation and corrosion: No data available

Sensitisation: May cause allergic respiratory reaction.

Chronic exposure

This is or contains a component that has been reported to be carcinogenic based on its IARC, OSHA, 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.

Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Section 11: Toxicological Information (Continued)

Potential Health Effects

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

Skin May be harmful if absorbed through skin. May cause skin irritation.

Eyes May cause eye irritation.

Ingestion Harmful if swallowed.

Target Organs Lungs

Section 12: Ecological Information

Elimination information (persistence and degradability): No data available

Ecotoxicity effects: No data available

Further information on ecology:

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic 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: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Nickel dibromide)

UN N°: 3077

H.I. nr: 9

ADR - Class: 9

Labelling - Transport:-

ADR - Group: III

Section 14: Transport Information (Continued)

Sea transport (IMDG) [English only]

Proper shipping name: ENVIRONMENTALLYHAZARDOUS SUBSTANCE, SOLID, N.O.S. (Nickel dibromide)

UN N°: 3077

IMO-IMDG - Class or division: 9

IMO-IMDG - Packing group: III

Air transport (ICAO-IATA) [English only]

Proper shipping name: ENVIRONMENTALLYHAZARDOUS SUBSTANCE, SOLID, N.O.S. (Nickel dibromide)

UN N°: 3077

IATA - Class or division: 9

IATA - Packing group: III

Section 15: Other Regulatory Information

Labelling according to EC Directives

Hazard symbols

T Toxic

N Dangerous for the environment

R-phrase(s)

R45 May cause cancer.

R22 Also harmful if swallowed.

R43 May cause sensitization by skin contact.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrase(s)

S53 Avoid exposure - obtain special instructions before use.

S36/37 Wear suitable protective clothing and gloves.

S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

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.

Restricted to professional users.

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Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

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