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Oxford
Range of
Laboratory Chemicals

MATERIAL SAFETY DATA SHEET

PRASEODYMIUM NITRATE Hexahydrate 99.99%

MSDS CAS: 15878-77-0

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product
Product Name: PRASEODYMIUM NITRATE Hexahydrate
CAS#: 15878-77-0
Synonym: Praseodymium trinitrate hexahydrate
Chemical Name: Not available.
Chemical Formula: $Pr(NO_3)_3 \cdot 6H_2O$

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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Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Praseodymium Nitrate Hexahydrate	15878-77-0	100

Section 3: Hazards Identification

Risk advice to man and the environment: Contact with combustible material may cause fire. Irritating to eyes, respiratory system and skin.

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.

Further information: Use water spray to cool unopened containers.

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: Do not let product enter drains.

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. Keep away from sources of ignition -No smoking. Keep away from combustible material.**

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 full-face particle respirator type N100 (US) or type P3 (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. 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 with side-shields conforming to EN166.**

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	**: Crystalline**
Colour	**: Light green**
Molecular Weight	**: 435.01 g/mole**
pH	**: No data available**
Melting point	**: No data available**
Boiling point	**: No data available**

Section 9: Physical and Chemical Properties (Continued)

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.**

Materials to avoid: **Strong reducing agents, Powdered metals, Strong acids**

Hazardous decomposition products: **Hazardous decomposition products formed under fire conditions. - nitrogen oxides (NOx), praseodymium oxides**

Section 11: Toxicological Information

Acute toxicity: **LD50 Oral - rat - 3.500 mg/kg**

Irritation and corrosion: **No data available**

Sensitisation: **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: **Burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, Nausea, Vomiting, to the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.**

Potential Health Effects

Inhalation **May be harmful if inhaled. Causes respiratory tract irritation.**

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

Eyes **Causes eye irritation.**

Ingestion **May be harmful if swallowed.**

Section 12: Ecological Information

Elimination information (persistence and degradability): No data available

Ecotoxicity effects: No data available

Further information on ecology: No data available

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	: DIDYMIUM NITRATE
UN N°	: 1465
H.I. nr	: -
ADR – Class	: 5.1
Labelling – Transport	: -
ADR – Group	: III

Sea transport (IMDG) [English only]

Proper shipping name	: DIDYMIUM NITRATE
UN N°	: 1465
IMO-IMDG - Class or division	: 5.1
IMO-IMDG - Packing group	: III

Air transport (ICAO-IATA) [English only]

Proper shipping name	: DIDYMIUM NITRATE
UN N°	: 1465
IATA - Class or division	: 5.1
IATA - Packing group	: III

Section 15: Other Regulatory Information

Labelling according to EC Directives
Hazard symbols: O Oxidising
Xi Irritant

R-phrase(s):
R 8 Contact with combustible material may cause fire.
R36/37/38 Irritating to eyes, respiratory system and skin.

S-phrase(s):
S17 Keep away from combustible material.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S27 Take off immediately all contaminated clothing.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

Disclaimer:

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