OXFORD LAB FINE CHEM LLP
ISO 9001-2008 Certified Company

Regd Office: Unit no 12, 1st Floor,
Neminath Industrial Estate No.6,
Navghar, Vasai (East), Palghar - 410210.
Maharashtra, INDIA.

Tel: +91 250 2390032 / 2390989 / 2390990
Email: sales@oxfordlabchem.com /
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Web: www.oxfordlabchem.com

Oxford
Range of
Laboratory Chemicals

MATERIAL SAFETY DATA SHEET

GADOLINIUM (III) OXIDE 99.9%

(Extra Pure)

MSDS CAS: 12064-62-9

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name: GADOLINIUM (III) OXIDE
CAS#: 12064-62-9
Synonym: Not Available.
Chemical Name: Gadolinium (III) Oxide
Chemical Formula: Gd_2O_3

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
Tel/Fax: 91-250-2390032

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Gadolinium (III) Oxide	12064-62-9	100

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Section 3: Hazards Identification

Not a hazardous substance or preparation according to EC-directives 67/548/EEC or 1999/45/EC.

Section 4: First Aid Measures

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

In case of skin contact: **Wash off with soap and plenty of water.**

In case of eye contact: **Flush eyes with water as a precaution.**

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

Section 5: Fire and Explosion Data

Suitable extinguishing media:
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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

Further information: **The product itself does not burn.**

Section 6: Accidental Release Measures

Personal precautions: **Avoid dust formation.**

Environmental precautions: **Do not let product enter drains.**

Methods for cleaning up:
Sweep up and shovel. Keep in suitable, closed containers for disposal.

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Section 7: Handling and Storage

Handling:
Provide appropriate exhaust ventilation at places where dust is formed.
Storage:
Store in cool place. Keep container tightly closed in a dry and well-ventilated place. hygroscopic Store under inert gas.

Section 8: Exposure Controls/Personal Protection

Personal protective equipment
Respiratory protection:
Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection:
For prolonged or repeated contact use protective gloves.

Eye protection: **Safety glasses.**

Hygiene measures: **General industrial hygiene practice.**

Section 9: Physical and Chemical Properties

Appearance Form	**: Powder.**
Colour	**: Beige.**
Molecular Weight	**: 362.50 g/mole**
pH	**: No data available**
Melting point	**: 2.330 °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	**: 7,407 g/mL at 20 °C**
Water solubility	**: No data available**

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Section 10: Stability and Reactivity Data

Storage stability:
Stable under recommended storage conditions.

Materials to avoid: **Strong acids.**

Hazardous decomposition products:
Hazardous decomposition products formed under fire conditions. - Carbon oxides.

Section 11: Toxicological Information

Acute toxicity: **LD50 Oral - rat - > 5.000 mg/kg**

Irritation and corrosion: **Eyes - rabbit - Mild eye irritation**

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.**

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 **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.**

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Section 13: Disposal Considerations

Product:
Observe all federal, state, and local environmental regulations.
Contaminated packaging
Dispose of as unused product.

Section 14: Transport Information

Land transport (ADR-RID)

General Information: **Not Regulated**

Sea transport (IMDG) [English only]

General Information: **Not Regulated**

Air transport (ICAO-IATA) [English only]

General Information: **Not Regulated**

Section 15: Other Regulatory Information

Labelling according to EC Directives
Further information:
The product does not need to be labelled in accordance with EC directives or respective national laws.

Section 16 - Additional Information

References: **Not available.**

Other Special Considerations: **Not available.**

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Disclaimer:

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