

MATERIAL SAFETY DATA SHEET

LANTHANUM CHLORIDE AR **MSDS : 10025-84-0**

Section 1: Chemical Product and Company Identification

Section 1: Chemical Product

Product Name: LANTHANUM CHLORIDE AR

CAS#: 10025-84-0

C.I. No.: Not available.

Synonym : Not available.

Chemical Name: Not available.

Chemical Formula: Cl₃La

Brand: OXFORD

Details Of The Supplier Of The Safety Data Sheet:

Company identification: **OXFORD LAB FINE CHEM LLP**
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Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
LANTHANUM CHLORIDE AR	10025-84-0	100

Section 3: Hazards Identification

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Corrosive to metals (Category 1), H290

Serious eye damage (Category 1), H318

Skin sensitisation (Category 1), H317

Chronic aquatic toxicity (Category 2), H411

Other hazards – none

Section 4: First Aid Measures

Description of 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.

Most important symptoms and effects, both acute and delayed

Indication of any immediate medical attention and special treatment needed

No data available

Section 5: Fire and Explosion Data

Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Section 5: Fire and Explosion Data(Continued)

Special hazards arising from the substance or mixture

Hydrogen chloride gas, Lanthanum oxides

Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

Further information

No data available

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

For personal protection see section 8.

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 and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

Reference to other sections

For disposal see section 13.

Section 7: Handling and Storage

Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Handle and store under inert gas.

Section 7: Handling and Storage(Continued)

Specific end use(s)

no data available

Section 8: Exposure Controls/Personal Protection

Control parameters

Components with workplace control parameters

Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body Protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

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. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties

a) Appearance Form	: Beads
Colour:	: white
b) Odour	: No data available
c) Odour	: No data available
d) pH	: No data available
e) Melting point/freezing point	: Melting point/range: 860 °C - lit.
f) Initial boiling point and boiling range	: 1.812 °C - lit.
g) Flash point	: No data available
h) Evaporation rate	: No data available
i) Flammability (solid, gas)	: No data available
j) Upper/lower flammability or explosive limits	: No data available
k) Vapour pressure	: No data available
l) Vapour density	: No data available
m) Relative density	: 3,84 g/mL at 25 °C
n) Water solubility	: 861,06 g/l at 20 °C
o) Partition coefficient: noctanol/ water	: No data available
p) Auto-ignition temperature	: No data available
q) Decomposition temperature	: No data available
r) Viscosity	: No data available
s) Explosive properties	: No data available
t) Oxidizing properties	: No data available
u) Molecular Weight	: 245,26 g/mol

Other safety information

Surface tension : 72,02 - 72,38 mN/m at 20 °C

Section 10: Stability and Reactivity Data

Reactivity : No data available

Chemical stability : Stable under recommended storage conditions.

Possibility of hazardous reactions : No data available

Section 10: Stability and Reactivity Data

Conditions to avoid : Avoid moisture.

Incompatible materials : Strong oxidizing agents, Strong acids

Hazardous decomposition products

Other decomposition products - No data available.

Section 11: Toxicological Information

Toxicological information

Information on toxicological effects

Acute toxicity

LD50 Oral - Rat - male and female - 2.621 mg/kg

LD50 Dermal - Rabbit - > 1.638 mg/kg

Skin corrosion/irritation

Skin - Rabbit

Result: No skin irritation - 4 h

Serious eye damage/eye irritation

Eyes - Rabbit

Result: Risk of serious damage to eyes.

(OECD Test Guideline 405)

Respiratory or skin sensitisation

in vivo assay - Mouse

Result: May cause sensitisation by skin contact.

(OECD Test Guideline 429)

Germ cell mutagenicity

Mouse

Other cell types

Morphological transformation.

Mutagenicity (micronucleus test)

Rat - male

Result: negative

Carcinogenicity

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.

Reproductive toxicity

Reproductive toxicity - Rat - Parenteral

Effects on Newborn: Behavioral.

Section 11: Toxicological Information

Reproductive toxicity - Mouse - Intraperitoneal

Effects on Fertility: Other measures of fertility

Reproductive toxicity - Mouse - Intraperitoneal

Effects on Fertility: Litter size (e.g.; # fetuses per litter; measured before birth).

Reproductive toxicity - Domestic Animals - Intratesticular

Paternal Effects: Spermatogenesis (including genetic material, sperm morphology, motility, and count).

Paternal Effects: Testes, epididymis, sperm duct.

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

Additional Information

RTECS: Not available

Cough, Shortness of breath, Headache, Nausea, Vomiting

Section 12: Ecological Information

Toxicity

**Toxicity to daphnia and
other aquatic
invertebrates**

**static test EC50 - Daphnia (water flea) - ca. 2,083 mg/l - 48 h
(OECD Test Guideline 202)**

Toxicity to algae

**static test EC50 - Desmodesmus subspicatus (Scenedesmus subspicatus) - ca.
22,9 mg/l - 72 h
(OECD Test Guideline 201)**

Toxicity to bacteria

**Respiration inhibition EC50 - Sludge Treatment - 390 mg/l - 3 h
(OECD Test Guideline 209)**

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects

Toxic to aquatic life with long lasting effects.

Section 13: Disposal Considerations

Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company. 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	: CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.
UN N°	: 3260
H.I. nr	: -
ADR – Class	: 8
Labelling – Transport	: -
ADR – Group	: III

Sea transport (IMDG) [English only]

Proper shipping name	: CORROSIVE LIQUID, FLAMMABLE, N.O.S.
UN N°	: 3260
IMO-IMDG - Class or division	: -
IMO-IMDG - Packing group	: III

Air transport (ICAO-IATA) [English only]

Proper shipping name	: CORROSIVE LIQUID, FLAMMABLE, N.O.S.
UN N°	: 3260
IATA - Class or division	: -
IATA - Packing group	: III

Section 15: Other Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 453/2010.

Safety, health and environmental regulations/legislation specific for the substance or mixture
No data available

Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

Section 16 - Additional Information

References: Not available.

Other Special Considerations: Not available.

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