

# Safety Data Sheet

## Lanthanum oxide powder

Revision Date: 8/13/2019

Date Issued: 8/13/2019

### 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY / UNDERTAKING

<b>Product name</b>	Lanthanum oxide powder
<b>Product code</b>	NO-0042
<b>CAS</b>	1312-81-8
<b>REACH No.</b>	A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.
<b>Identified uses</b>	Laboratory chemicals, Manufacture of substances
<b>Supplier</b>	IoLiTec Ionic Liquids Technologies GmbH Salzstrasse 184 D – 74076 Heilbronn Germany
<b>Telephone</b>	+49 (0)7131-89839-0
<b>Fax</b>	+49 (0)7131-89839-109
<b>Emergency telephone</b>	+49 (0)176-84850874
<b>Email</b>	msds@iolitec.de

### 2 HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

##### Classification (REGULATION (EC) No 1272/2008)

Skin corrosion/irritation, Category 2, H315

Serious eye damage/Eye irritation, Category 2, H319

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Specific Target Organ Toxicity - Single exposure: Respiratory tract irritation,  
Category 3, H335


### Classification (67/548/EEC or 1999/45/EC)

Harmful by inhalation. Irritating to eyes, respiratory system and skin.

Supplemental Hazard Statements                      none

### 2.2 Label elements

#### Labelling (REGULATION (EC) No 1272/2008, GHS)

Pictogram	
Signal word	Warning
Hazard statement(s)	
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
Precautionary statement(s)	
P261	Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray .
P280	Wear protectic gloves/protective clothing/eye protection/face protection .
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Caution! Substance not yet fully tested!

#### Labelling (67/548/EEC or 1999/45/EC)

Hazard symbol(s) 

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### R-phrases(s)

R20 Harmful by inhalation.  
R36/37/38 Irritating to eyes, respiratory system and skin.

### S-phrases(s)

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S36 Wear suitable protective clothing.

Caution! Substance not yet fully tested!

## 3 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient name	Contents	Health(Class)	Risk(R/No.)
Lanthanum(III)oxide	99.99%		Substance not yet fully tested!
<b>Formula</b>	<b>Molecular Weight</b>		
La <sub>2</sub> O <sub>3</sub>	325.81g/mol		

## 4 FIRST AID MEASURES

<b>General</b>	Contaminated clothing should be removed and washed before being reused.
<b>Inhalation</b>	Move the exposed person to fresh air at once. If respiratory problems, artificial respiration/ oxygen.
<b>Ingestion</b>	Immediately rinse mouth and provide fresh air. Do not induce vomiting. Get medical attention immediately.
<b>Skin</b>	Wash the skin immediately with soap and water.

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### Eyes

Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.

## 5 FIRE FIGHTING MEASURES

### Extinguishing media

Use extinguishing media appropriate to surrounding fire conditions.

### Special fire fighting procedures

No special procedures required.

### Unusual fire & explosion hazards

N/A

### Protective measures in fire

Wear self-contained breathing apparatus as combustion may produce hazardous fumes.

## 6 ACCIDENTAL RELEASE MEASURES

### Personal precautions during spill

Wear protective clothing and avoid inhalation of powder, fume and vapor as well as skin or eye contact.

### Precautions to protect environment

Avoid washing into water courses. Avoid contaminating public drains or water supply.

### Spill cleanup methods

Avoid contact with skin or inhalation of spillage, dust or vapor, Avoid dust formation. Collect and reclaim or dispose in sealed containers in license waste. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate.

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### 7 HANDLING AND STORAGE

#### Handling precautions

Do not breathe dust. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

#### Storage precautions

Keep container tightly closed. Store in a cool, dry place. Hygroscopic material.

### 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

#### Personal protective equipment

##### Eye/face protection

Safety glasses with side-shields conforming to EN166 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

Impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

##### Respiratory protection

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

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### 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Solid
<b>SG/Density</b>	6.51 g/cm <sup>3</sup> at 20°C
<b>Bulk Density</b>	<0.2 g/cm <sup>3</sup>
<b>Solubility</b>	Insoluble in water

### 10 STABILITY AND REACTIVITY

<b>Stability</b>	No particular stability concerns.
<b>Conditions/materials to avoid</b>	Acids, air
<b>Hazardous Decomposition</b>	Hazardous products of decomposition: Metal oxide fume

### 11 TOXICOLOGICAL INFORMATION

#### Acute toxicity

LD50, Oral-rat-male and female >= 10.000 mg/kg (OECD Test Guideline 401)

LC0 Inhalation-rat-male and female-4 h >= 5,3 mg/l (OECD Test Guideline 403)

#### Skin corrosion/irritation

Skin-rabbit Result: No skin irritation-24 h

#### Serious eye damage/eye irritation

Eyes-rabbit Result: Mild eye irritation (Draize Test)

#### Respiratory or skin sensitization

guinea pig Result: Does not cause skin sensitisation.  
(Maximisation Test)

#### Germ cell mutagenicity

no data available

#### Carcinogenicity

no data available

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### Reproductive toxicity

no data available

### Specific target organ toxicity - single exposure

no data available

### Specific target organ toxicity - repeated exposure

no data available

### Aspiration hazard

no data available

### Potential health effects

#### Ingestion

Harmful if swallowed.

#### Inhalation

May be harmful if inhaled. Material is irritating to mucous membranes and upper respiratory tract.

#### Skin

Causes irritation

#### Eyes

Causes irritation

### Additional Information

RTECS: Not available

**Full Data on the toxicity of this product are not available. Hazardous properties cannot be excluded.**

## 12 ECOLOGICAL INFORMATION

### Toxicity to daphnia and other aquatic invertebrates

Immobilization NOEC-Daphnia magna (Water flea)

>= 100 mg/l-48 h (OECD Test Guideline 202)

Do not allow material to be released to the environment without proper governmental permits.

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### 13 DISPOSAL CONSIDERATIONS

**Disposal method** Contact specialist disposal companies. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Dispose of in accordance with Local Authority requirements. Recover and reclaim or recycle, if practical.

### 14 TRANSPORT INFORMATION

<b>General</b>	Not classified as dangerous for transport purposes.
<b>Road transport notes</b>	Not classified as dangerous for road transport.
<b>Rail transport notes</b>	Not classified as dangerous for rail transport.
<b>Sea transport notes</b>	Not classified as dangerous for sea transport.
<b>Air transport notes</b>	Not classified as dangerous for air transport.

### 15 REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

#### **Safety, health and environmental regulations/legislation specific for the substance or mixture**

no data available

#### **Chemical Safety Assessment**

no data available



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### Country specific information:

#### Germany

Substance No: 3290

WGK 1 - low hazard to waters

Classification according to Annex 3 of the Administrative Regulation of Substances Hazardous to Water (VwVwS)

### 16 OTHER INFORMATION

#### DISCLAIMER

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