



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Silica Gel Orange Bead 2-5mm

Print date: 20.11.2015

Product code: 9.042 582

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#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

Silica Gel Orange Bead 2-5mm

##### Further trade names

SILICA

REACH Registration Number: 01-2119379499-16-XXXX

CAS No: 7631-86-9

EC No: 231-545-4

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### Uses advised against

N.I.

##### 1.3. Details of the supplier of the safety data sheet

Company name: Lab Logistics Group GmbH  
Street: Am Hambuch 1  
Place: D-53340 Meckenheim  
Telephone: Phone: +49 2225 9211 49  
e-mail: azoellner@llg.de  
Internet: www.llg-labware.com!

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

This substance is not classified as hazardous according to Regulation (EC) No. 1272/2008.

##### 2.2. Label elements

#### SECTION 3: Composition/information on ingredients

##### 3.1. Substances

##### Chemical characterization

SILICA

Sum formula: O<sub>2</sub>Si (Hill)

Molecular weight: 60,09

##### Hazardous components

CAS No	Chemical name	Quantity
	EC No	Index No
	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
7631-86-9	amorphous silica	95- <100 %
	231-545-4	01-2119379499-16-XXXX

Full text of H and EUH statements: see section 16.

#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures



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#### After inhalation

Provide fresh air.

#### After contact with skin

Wash with water.

#### After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

#### After ingestion

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

#### 4.2. Most important symptoms and effects, both acute and delayed

N.I.

#### 4.3. Indication of any immediate medical attention and special treatment needed

N.I.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.  
Suitable extinguishing media: Carbon dioxide (CO<sub>2</sub>). Water spray jet  
Larger fires: alcohol resistant foam. Water spray jet

##### Unsuitable extinguishing media

not known

#### 5.2. Special hazards arising from the substance or mixture

Ambient fire may liberate hazardous vapors.

#### 5.3. Advice for firefighters

Use self-contained breathing apparatus.

#### Additional information

non flammable

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

Do not breathe dust.

#### 6.2. Environmental precautions

No special measures are necessary.

#### 6.3. Methods and material for containment and cleaning up

Take up mechanically.  
Avoid dust formation.  
Treat the recovered material as prescribed in the section on waste disposal.  
Provide adequate ventilation.

#### 6.4. Reference to other sections

Safe handling: see section 7  
Personal protection equipment: see section 8  
Disposal: see section 13

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling



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#### Advice on safe handling

Avoid dust formation.  
Provide adequate ventilation.

#### 7.2. Conditions for safe storage, including any incompatibilities

##### Requirements for storage rooms and vessels

not known

##### Advice on storage compatibility

Store away from foodstuffs.

##### Further information on storage conditions

Keep container tightly closed and dry.

#### 7.3. Specific end use(s)

N.I.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Additional advice on limit values

The valid during the making lists serve as a basis.

#### 8.2. Exposure controls

##### Protective and hygiene measures

Remove contaminated, saturated clothing immediately.  
Do not breathe dust.  
Wash hands before breaks and after work.

##### Eye/face protection

Tightly fitting goggles.

##### Hand protection

Wear protective gloves.  
Thickness of the glove material NBR (Nitrile rubber): > 0,11 mm  
The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.  
Breakthrough time (maximum wearing time) Value for the permeation: Level = 6

##### Skin protection

Protective clothing

##### Respiratory protection

Respiratory protection necessary at: dust formation Filtering device with filter or ventilator filtering device of type: P2

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state:	pearls
Colour:	colourless - brown
Odour:	odourless

#### Test method

pH-Value:	4 ~ 9
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##### Changes in the physical state

Melting point:	N.I.
Initial boiling point and boiling range:	~ 2980 °C



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#### Flammability

Solid: Non-flammable.

Gas: Non-flammable.

Lower explosion limits: N.I.

Upper explosion limits: N.I.

Ignition temperature: N.I.

#### Auto-ignition temperature

Solid: N.I.

Gas: N.I.

Vapour pressure: N.I.

Density: N.I.

Bulk density: 400-900 kg/m<sup>3</sup>

Water solubility: insoluble

Partition coefficient: N.I.

Viscosity / dynamic: N.I.

Viscosity / kinematic: N.I.

Vapour density: N.I.

Evaporation rate: There are no details.

#### 9.2. Other information

N.I.

### SECTION 10: Stability and reactivity

#### 10.2. Chemical stability

No decomposition if used according to specifications.

#### 10.3. Possibility of hazardous reactions

Violent reaction with: Incompatible materials

#### 10.4. Conditions to avoid

N.I.

#### 10.5. Incompatible materials

sodium / Heat, difluoride, Hydrogen fluoride, xenon hexafluoride

#### 10.6. Hazardous decomposition products

N.I.

#### Further information

hygroscopic

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity

Physiologically inert substance that no hazardous properties shows. Physiologically inert substance that no hazardous properties shows.

When used and handled according to specifications Use caused the product to our experience and the information provided to us, no adverse health effects.

This substance is classified as not hazardous according to 67/548/EEC.

Handle in accordance with good industrial hygiene and safety practice.



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CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
7631-86-9	amorphous silica				
	oral	LD50	>10000 mg/kg	Rat	
	dermal	LD50	>5000 mg/kg	Rabbit	

#### Irritation and corrosivity

Corrosion / irritation to the skin: Has degreasing effect on the skin.

#### Sensitising effects

not known

#### Severe effects after repeated or prolonged exposure

N.I.

#### Aspiration hazard

Eye irritation possible

Inhalation of dust may cause irritation of the respiratory system.

## SECTION 12: Ecological information

### 12.1. Toxicity

CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	[h]   [d]	Species	Source
7631-86-9	amorphous silica					
	Acute fish toxicity	LC50	>10 000 mg/l	96 h	Brachydanio rerio (zebra-fish)	
	Acute crustacea toxicity	EC50	>10 000 mg/l	48 h	Daphnia magna (Big water flea)	

### 12.2. Persistence and degradability

N.I.

### 12.3. Bioaccumulative potential

N.I.

### 12.4. Mobility in soil

N.I.

### 12.5. Results of PBT and vPvB assessment

not applicable

#### Further information

N.I.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Advice on disposal

Dispose of waste according to applicable legislation.

#### Contaminated packaging

Dispose of waste according to applicable legislation.

## SECTION 14: Transport information

### Land transport (ADR/RID)

#### 14.1. UN number:

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<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of these transport regulations.
<b>Inland waterways transport (ADN)</b>	
<b>14.1. UN number:</b>	-
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of these transport regulations.
<b>Marine transport (IMDG)</b>	
<b>14.1. UN number:</b>	-
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of these transport regulations. -
<b>Air transport (ICAO)</b>	
<b>14.1. UN number:</b>	-
<b>14.2. UN proper shipping name:</b>	No dangerous good in sense of these transport regulations.
<b>14.6. Special precautions for user</b>	N.I.
<b>14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	N.I.

### SECTION 15: Regulatory information

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

##### National regulatory information

Water contaminating class (D): - - not water contaminating

#### 15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

### SECTION 16: Other information

#### Abbreviations and acronyms

n / A. = Not applicable N.B. = Not otherwise specified K.I. = No information available

#### Further Information

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