

## Safety Data Sheet acc. to OSHA HCS

Printing date 12/11/2020

Reviewed on 12/11/2020

### 1 Identification

#### Product identifier

**Trade name:** Silica 60Å

**CAS Number:** 7631-86-9

**Application of the substance / the mixture** Adsorbent

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

Marosi Designs, LLC.  
1251 Frontenac Rd. Suite 150  
Naperville, IL 60563  
Email: support@shopbvv.com

**Information department:** Health, Safety, & Environmental Department

#### Emergency telephone number:

For 24 hour emergency assistance, call CHEMTEL in the USA at (800) 255-3924.

### 2 Hazard(s) identification

#### Classification of the substance or mixture

The substance is not classified, according to the Globally Harmonized System (GHS).

#### Label elements

**GHS label elements** Not applicable.

**Hazard pictograms** Not applicable.

**Signal word** Not applicable.

**Hazard statements** Not applicable.

#### Classification system:

##### NFPA ratings (scale 0 - 4)



##### HMIS-ratings (scale 0 - 4)



(Contd. on page 2)

## Safety Data Sheet acc. to OSHA HCS

Printing date 12/11/2020

Reviewed on 12/11/2020

**Trade name: Silica 60A**

(Contd. of page 1)

**Other hazards****Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.

### 3 Composition/information on ingredients

**Chemical characterization: Substances****CAS No. Description**

7631-86-9

**Additional information:**

According to EPA this product meets TSCA requirements and is listed on the TSCA Inventory as Silica, CAS 7631-86-9.

### 4 First-aid measures

**Description of first aid measures****General information:** No special measures required.**After inhalation:** Supply fresh air; consult doctor in case of complaints.**After skin contact:** Generally the product does not irritate the skin.**After eye contact:** Rinse opened eye for several minutes under running water.**After swallowing:** If symptoms persist consult doctor.**Information for doctor:****Most important symptoms and effects, both acute and delayed**

No further relevant information available.

**Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

### 5 Fire-fighting measures

**Extinguishing media****Suitable extinguishing agents:** Use fire fighting measures that suit the environment.**Special hazards arising from the substance or mixture** No further relevant information available.**Advice for firefighters****Protective equipment:** No special measures required.

### 6 Accidental release measures

**Personal precautions, protective equipment and emergency procedures** Not required.**Environmental precautions:** No special measures required.**Methods and material for containment and cleaning up:** Pick up mechanically.**Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

(Contd. on page 3)

## Safety Data Sheet acc. to OSHA HCS

Printing date 12/11/2020

Reviewed on 12/11/2020

Trade name: Silica 60Å

(Contd. of page 2)

### Protective Action Criteria for Chemicals

**PAC-1:**
18 mg/m<sup>3</sup>
**PAC-2:**
200 mg/m<sup>3</sup>
**PAC-3:**
1,200 mg/m<sup>3</sup>

## 7 Handling and storage

**Handling:**
**Precautions for safe handling** No special measures required.

**Information about protection against explosions and fires:** No special measures required.

**Conditions for safe storage, including any incompatibilities**
**Storage:**
**Requirements to be met by storerooms and receptacles:** No special requirements.

**Information about storage in one common storage facility:** Not required.

**Further information about storage conditions:** None.

**Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

**Additional information about design of technical systems:** No further data; see item 7.

**Control parameters**

CAS-No.

7631-86-9

Control parameters

6 mg/m<sup>3</sup>

Recommended exposure limit (REL):(NIOSH)

**Components with limit values that require monitoring at the workplace:**
**112926-00-8 Precipitated silica (Silica-Amorphous)**

 PEL 20mppcf or 80mg/m<sup>3</sup> /%SiO<sub>2</sub>

 REL Long-term value: 6 mg/m<sup>3</sup>  
See Pocket Guide App. C

TLV TLV withdrawn

**Additional information:** The lists that were valid during the creation were used as basis.

**Exposure controls**
**Personal protective equipment:**
**General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

**Breathing equipment:** Not required.

**Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

(Contd. on page 4)

US

## Safety Data Sheet acc. to OSHA HCS

Printing date 12/11/2020

Reviewed on 12/11/2020

**Trade name: Silica 60Å**

(Contd. of page 3)

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

**Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection:** Not required.

### 9 Physical and chemical properties

**Information on basic physical and chemical properties****General Information****Appearance:**

<b>Form:</b>	Powder
<b>Color:</b>	White
<b>Odor:</b>	Odorless
<b>Odor threshold:</b>	Not determined.

**pH-value:** Not applicable.

**Change in condition**

<b>Melting point/Melting range:</b>	Undetermined.
<b>Boiling point/Boiling range:</b>	2,230 °C

**Flash point:** Not applicable.

**Flammability (solid, gaseous):** Product is not flammable.

**Decomposition temperature:** Not determined.

**Auto igniting:** Not determined.

**Danger of explosion:** Product does not present an explosion hazard.

**Explosion limits:**

<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.

**Vapor pressure:** Not applicable.

<b>Density:</b>	Not determined.
<b>Relative density</b>	Not determined.
<b>Vapor density</b>	Not applicable.
<b>Evaporation rate</b>	Not applicable.

**Solubility in / Miscibility with**

**Water:** Soluble.

**Partition coefficient (n-octanol/water):** Not determined.

**Viscosity:**

<b>Dynamic:</b>	Not applicable.
<b>Kinematic:</b>	Not applicable.

(Contd. on page 5)

US

## Safety Data Sheet acc. to OSHA HCS

Printing date 12/11/2020

Reviewed on 12/11/2020

Trade name: Silica 60Å

(Contd. of page 4)

<b>VOC content:</b>	0.00 %
<b>Solids content:</b>	100.0 %
<b>Other information</b>	No further relevant information available.

### 10 Stability and reactivity

**Reactivity** No further relevant information available.

**Chemical stability**

**Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

**Possibility of hazardous reactions** No dangerous reactions known.

**Conditions to avoid** No further relevant information available.

**Incompatible materials:** No further relevant information available.

**Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological information

**Information on toxicological effects**

**Acute toxicity:**

**Primary irritant effect:**

**on the skin:** No irritant effect.

**on the eye:** No irritating effect.

**Sensitization:** No sensitizing effects known.

**Additional toxicological information:**

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

The substance is not subject to classification.

**Carcinogenic categories**

**IARC (International Agency for Research on Cancer)**

3

**NTP (National Toxicology Program)**

Substance is not listed.

### 12 Ecological information

**Toxicity**

**Aquatic toxicity:** No further relevant information available.

**Persistence and degradability** No further relevant information available.

**Behavior in environmental systems:**

**Bioaccumulative potential** No further relevant information available.

**Mobility in soil** No further relevant information available.

**Additional ecological information:**

**General notes:** Not hazardous for water.

(Contd. on page 6)

US

## Safety Data Sheet acc. to OSHA HCS

Printing date 12/11/2020

Reviewed on 12/11/2020

**Trade name: Silica 60Å**

(Contd. of page 5)

**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**Other adverse effects** No further relevant information available.**13 Disposal considerations****Waste treatment methods****Recommendation:** Smaller quantities can be disposed of with household waste.**Uncleaned packagings:****Recommendation:** Disposal must be made according to official regulations.**Recommended cleansing agent:** Water, if necessary with cleansing agents.**14 Transport information****UN-Number****DOT, ADR, IMDG, IATA** Not applicable.**UN proper shipping name****DOT, ADR, IMDG, IATA** Not applicable.**Transport hazard class(es)****DOT, ADR, ADN, IMDG, IATA**  
**Class** Not applicable.**Packing group****DOT, ADR, IMDG, IATA** Not applicable.**Environmental hazards:**

Not applicable.

**Transport in bulk according to Annex II of  
MARPOL73/78 and the IBC Code**

Not applicable.

**UN "Model Regulation":**

Not applicable.

**15 Regulatory information****Safety, health and environmental regulations/legislation specific for the substance or mixture  
Sara****Section 355 (extremely hazardous substances):**

Substance is not listed.

**Section 313 (Specific toxic chemical listings):**

Substance is not listed.

**TSCA (Toxic Substances Control Act):****Hazardous Air Pollutants**

Substance is not listed.

(Contd. on page 7)

US

## Safety Data Sheet acc. to OSHA HCS

Printing date 12/11/2020

Reviewed on 12/11/2020

**Trade name: Silica 60Å**

(Contd. of page 6)

**Proposition 65****Chemicals known to cause cancer:**

Substance is not listed.

**Chemicals known to cause reproductive toxicity for females:**

Substance is not listed.

**Chemicals known to cause reproductive toxicity for males:**

Substance is not listed.

**Chemicals known to cause developmental toxicity:**

Substance is not listed.

**Carcinogenic categories****EPA (Environmental Protection Agency)**

Substance is not listed.

**TLV (Threshold Limit Value established by ACGIH)**

Substance is not listed.

**NIOSH-Ca (National Institute for Occupational Safety and Health)**

Substance is not listed.

**GHS label elements** Not applicable.**Hazard pictograms** Not applicable.**Signal word** Not applicable.**Hazard statements** Not applicable.**National regulations:****Other regulations, limitations and prohibitive regulations**

According to EPA this product meets TSCA requirements and is listed on the TSCA Inventory as Silica, CAS 7631-86-9

**Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.**16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit