

## SAFETY DATA SHEET

### **SILICEA**

#### **SECTION 1. Identification of the substance or mixture and the company/undertaking**

##### **1.1. Product Identifier:**

Code: **SILICEA**

Denomination: **SILICEA**

Chemical name and synonyms: **Silica sand**

##### **1.2. Relevant identified uses of the substance or mixture and uses not recommended:**

No other information is available.

##### **Use of the Substance/Preparation**

Building materials for professional use

##### **1.3. Information on the supplier of the safety data sheet**

Company Name, Address, Town and State, e-mail address of the competent person, responsible for the safety data sheet:

**EDMEC brand products are produced and distributed in Italy by:**

D.M. S.r.l. unipersonale

41038 San Felice s/P (MO) - Via Scala n°628/D

Part. VAT and Tax Code: 03728460365

info@edmec.it – www.edmec.it

##### **1.4. Emergency telephone number**

Niguarda Poison Control Center tel. 02/66101029 (24 hours / 24 hours)

#### **SECTION 2. Hazard Identification**

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

Classification according to Regulation (EC) No 1272/2008

The product is not considered hazardous in accordance with EC Regulation 1272/2008 (CLP).

Harmful physicochemical effects on human health and the environment: No other hazards

##### **2.2. Label Elements**

The product is not considered hazardous in accordance with EC Regulation 1272/2008 (CLP).

##### **2.3. Other hazards**

No PBT or endocrine disrupting substances present in concentrations  $\geq 0.1\%$

**Other hazards:** None

#### **SECTION 3. Composition/Ingredient Information**

##### **3.1. Substances**

Not relevant information.

##### **3.2. Mixtures**

Hazardous components according to CLP and their classification: None

#### **SECTION 4. First Aid Measures**

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

In case of skin contact: Wash thoroughly with soap and water

In case of contact with eyes: Wash immediately with water.

If swallowed: Do not vomit at all. SEEK MEDICAL ATTENTION IMMEDIATELY.

If inhaled: Bring subject to fresh air. If breathing is difficult, call a doctor immediately.

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**4.2. Main Symptoms and Effects, Both Acute and Delayed**

Unavailable

**4.3. Indication of whether a doctor should be consulted immediately and special treatment**

Treatment: None

**SECTION 5. Fire Prevention Measures****5.1. Suitable extinguishing media**

Water.

Carbon dioxide (CO<sub>2</sub>).

Fire extinguishing agents that must not be used for safety reasons: None in particular.

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

Do not inhale the gases produced by the explosion and/or combustion, combustion produces heavy smoke.

**5.3. Recommendations for firefighters**

Use appropriate breathing equipment.

**SECTION 6. Measures in case of accidental release****6.1. Personal Precautions, Protective Equipment and Emergency Procedures**

Wear personal protective equipment.

Move people to a safe place.

**6.2. Environmental precautions**

Prevent penetration into the soil/subsoil.

Prevent runoff into surface water or sewer system.

Retain contaminated wash water and discard it.

In the event of a gas leak or penetration into waterways, soil or sewage systems, inform the responsible authorities.

Material suitable for collection: absorbent material, organic, sand.

**6.3. Methods and Materials for Containment and Remediation**

Vacuum the spilled product into a suitable container. Assess the compatibility of the vessel to be used with the product, checking section 10. Absorb the remainder with inert absorbent material

**6.4. Reference to other sections**

See also paragraphs 8 and 13.

**SECTION 7. Handling & Storage****7.1. Precautions for safe handling**

- Avoid contact with skin and eyes, inhalation of vapours and mists.
- Please also refer to section 8 for recommended protective equipment.
- General recommendations on occupational hygiene: Do not eat or drink while working.

**7.2. Conditions for safe storage, including possible incompatibilities**

- Keep away from food, drink and feed.
- Incompatible Subjects: None in particular
- Indication for the rooms: Adequately ventilated rooms.

**7.3. Particular end-uses**

No other information is available.

**SECTION 8. Exposure Control/Personal Protection****8.1. Verifiers**

No data available

**8.2. Exposure Controls**

<u>Eye protection</u>	Not required for normal use. However, operate according to good working practices.
<u>Skin protection</u>	No special precautions are required for normal use.

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<u>Hand protection</u>	Suitable materials for protective gloves; EN ISO 374: Polychloroprene - CR: thickness $\geq$ 0.5mm; Breaking time $\geq$ 480min. Nitrile rubber - NBR: thickness $\geq$ 0.35mm; Breaking time $\geq$ 480min. Butyl rubber - IIR: thickness $\geq$ 0.5mm; Breaking time $\geq$ 480min. Fluorinated rubber - FKM: thickness $\geq$ 0.4mm; Breaking time $\geq$ 480min. Neoprene (0.5 mm) is recommended. Gloves not recommended: gloves that are not waterproof
<u>Respiratory protection</u>	All personal protective equipment must comply with relevant CE standards (such as EN ISO 374 for gloves and EN ISO 166 for goggles), kept efficient and stored appropriately. Always consult the supplier of the protective equipment. Respiratory protection should be used where exposure levels exceed workplace exposure limits. Refer to the appropriate EN standards, such as EN 136, 140, 143, 149, 14387 for information on the selection and use of appropriate respiratory protection equipment. In case of insufficient ventilation, use a mask with ABEKP filters (EN 14387). Use appropriate respiratory protection.
<u>Thermal Hazards</u>	Nobody
<u>Exposure control amb.</u>	Nobody
<u>Suitable technical controls</u>	Nobody

## SECTION 9. Physical and Chemical Properties

### 9.1. Information on Fundamental Physical and Chemical Properties

<u>General information</u>	
<u>Physical Status</u>	Solid
<u>Color</u>	Dark Girgio
<u>Smell</u>	Nobody
<u>Melting Point/Freezing Point</u>	N.O.
<u>Boiling point or initial boiling point and boiling range</u>	N.O.
<u>Inflammability</u>	N.O.
<u>Lower and upper explosive limits</u>	N.O.
<u>Flash point</u>	N.O.
<u>Auto-ignition temperature</u>	N.O.
<u>ph</u>	N.O.
<u>Kinematic viscosity</u>	N.O.
<u>Water solubility</u>	insoluble
<u>Fat solubility</u>	N.O.
<u>n-octanol/water partition coefficient (logarithmic value)</u>	N.O.
<u>Vapor Pressure</u>	N.O.
<u>Density and/or relative density</u>	1.3 – 1.6 kg/l
<u>Relative Vapor Density</u>	N.O.
<u>Particle size</u>	N.O.

### 9.2. Other Information.

No other relevant information

## SECTION 10. Stability and responsiveness

### 10.1. Responsiveness

Stable under normal conditions

### 10.2. Chemical Stability

Stable under normal conditions

### 10.3. Possibility of Dangerous Reactions

Nobody

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**10.4. Conditions to be avoided**

Stable under normal conditions

**10.5. Incompatible Materials**

Avoid contact with oxidizing materials. The product may become inflamed

**10.6. Hazardous Decomposition Products.**

Nobody

**SECTION 11. Toxicological information****11.1. Information on toxicological effects****Acute toxicity:**

- a) Acute toxicity: Unclassified - No data available for the product.
- b) Skin corrosion/irritation: Not classified - No data available for the product
- c) Serious Eye Injury/Severe Eye Irritation: Unclassified - No data available for the product
- d) Respiratory or skin sensitization: Not classified - No data available for the product
- e) Germ cell mutagenicity: Unclassified - No data available for the product.
- f) Carcinogenicity: Unclassified - No data available for the product.
- g) Reproductive toxicity: Unclassified - No data available for the product.
- h) Specific Target Organ Toxicity (STOT) — Unclassified — No data available for the product.
- i) Specific Target Organ Toxicity (STOT) — Unclassified — No data available for the product.
- j) Suction hazard: Not classified - No data available for the product.

Toxicological information on the main substances present in the product: N.A.

**11.2. Information on other hazards**

Endocrine disrupting properties: No endocrine disruptors present in concentration  $\geq 0.1\%$

**SECTION 12. Ecological information****12.1. Toxicity**

Use according to good working practices, avoiding dispersing the product into the environment.

Eco-toxicological information:

**List of Eco-Toxicological Properties of the product**

Not rated for environmental hazards.

On the basis of the available data, the classification criteria are not met.

**12.2. Persistence and Degradability**

N.O.

**12.3. Bioaccumulation Potential**

N.O.

**12.4. Mobility in the Soil**

N.O.

**12.5. PBT and vPvB Assessment Results**

PBT: None - vPvB: None

**12.6. Endocrine Disrupting Properties**

No endocrine disruptors present in a concentration  $\geq 0.1\%$

**12.7. Other Adverse Effects**

Nobody

**SECTION 13. Disposal Considerations****For more technical information:**

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### 13.1. Waste Treatment Methods

Waste generation should be avoided or minimised wherever possible. Recover if possible.

It is not possible to specify a waste code (CER) according to the European Waste List (LoW), due to dependence on use.

Contact and send to an authorized waste disposal service.

Disposal methods:

The disposal of this product, solutions, packaging and any by-products must always comply with the requirements of environmental protection and waste disposal legislation and the requirements of local and regional authorities. Dispose of excess and non-recyclable products through a licensed waste disposal contractor. Do not dispose of waste in the sewers.

Hazardous waste: no

Disposal Considerations:

Do not allow entry into drains or waterways.

Dispose of the product according to all applicable federal, state, and local regulations.

If this product is mixed with other waste, the original waste code may no longer be applicable and the appropriate code should be assigned.

Dispose of containers contaminated by the product in accordance with local or national regulations.

For more information, please contact your local waste authority.

Dispose of containers contaminated by the product in accordance with local or national regulations. For more information, please contact your local waste authority.

Special Precautions:

This material and its container must be disposed of safely.

Use caution when handling empty, untreated containers.

Avoid dispersion of spilled material and runoff and contact with soil, waterways, drains and sewers. Empty containers or liners may retain some product residue. Do not reuse empty containers.

### **SECTION 14. Transportation Information**

#### **14.1. Numero UN the number ID**

N.O.

#### **14.2. Official UN Transport Designation**

N.O.

#### **14.3. Transport-related hazard classes**

N.A

#### **14.4. Packaging Group**

N.A

#### **14.5. Hazards to the Environment**

N.O.

#### **14.6. Special Precautions for Users**

N.O.

#### **14.7. Maritime Bulk Transport in accordance with IMO Acts**

N.O.

### **SECTION 15. Regulatory Information**

#### **15.1. Health, safety and environmental laws and regulations specific to the substance or mixture**

- Legislative Decree 9/4/2008 n.81
- D.M. Lavoro 26/02/2004 (Occupational exposure limits)
- Regulation (EC) No 1907/2006 (REACH)

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- Regulation (EC) No 1272/2008 (CLP)
- Regulations (EC) No 790/2009 (ATP 1 CLP) and (EU) No 758/2013
- Regulation (EU) 2020/878
- Regulation (EU) No 286/2011 (ATP 2 CLP)
- Regulation (EU) No 618/2012 (ATP 3 CLP)
- Regulation (EU) No 487/2013 (ATP 4 CLP)
- Regulation (EU) No 944/2013 (ATP 5 CLP)
- Regulation (EU) No 605/2014 (ATP 6 CLP)
- Regulation (EU) 2015/1221 (ATP 7 CLP)
- Regulation (EU) 2016/918 (ATP 8 CLP)
- Regulation (EU) 2016/1179 (ATP 9 CLP)
- Regulation (EU) 2017/776 (ATP 10 CLP)
- Regulation (EU) 2018/669 (ATP 11 CLP)
- Regulation (EU) 2018/1480 (ATP 13 CLP)
- Regulation (EU) 2019/521 (ATP 12 CLP)
- Regulation (EU) 2020/217 (ATP 14 CLP)
- Regulation (EU) 2020/1182 (ATP 15 CLP)
- Regulation (EU) 2021/643 (ATP 16 CLP)

Provisions relating to EU Directive 2012/18 (Seveso III):

None

Restrictions on the product or substances contained in accordance with Annex XVII of Regulation (EC) 1907/2006 (REACH) and subsequent amendments.

Product Restrictions: None

Restrictions on substances contained: none

## **15.2. Chemical Safety Assessment**

A chemical safety assessment has not been prepared for the mixture.

## **SECTION 16. Other information**

This fact sheet has been revised in all its sections in accordance with Regulation 2020/878.

This document has been prepared by a competent SDS technician who has received appropriate training.

**ADR:** European Agreement concerning the International Carriage of Dangerous Goods by Road.

**CAS:** Chemical Abstracts Service (divisione della American Chemical Society).

**CLP:** Classification, Labelling, Packaging.

**DNEL:** Derived level with no effect.

**EINECS:** European Inventory of Commercially Available European Chemicals.

**GefStoffVO:** Ordinance on Hazardous Substances in Germany.

**GHS:** Globally Harmonized System of Classification and Labeling of Chemicals.

**IATA:** International Air Transport Association.

**IATA-DGR:** Dangerous Goods Regulations of the "International Air Transport Association" (IATA).

**ICAO:** International Civil Aviation Organization.

**ICAO-TI:** Technical Instructions of the "International Civil Aviation Organization" (ICAO).

**IMDG:** International Maritime Code for Dangerous Goods.

**INCI:** International Nomenclature of Cosmetic Ingredients.

**KSt:** Coefficient of explosion.

**LC50:** Lethal concentration for 50 percent of the test population.

**LD50:** Lethal dose for 50 percent of the test population.

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**PNEC:** Predicted concentration with no effect.

**RID:** Regulation Concerning the International Carriage of Dangerous Goods by Rail.

**STA:** Estimation of Acute Toxicity

**STAmix:** Estimation of Acute Toxicity (Mixtures)

**STEL:** Short-term exposure limit.

**STOT:** Organ-specific toxicity.

**TLV:** Threshold limit value.

**TWA:** Time-Weighted Average

**WGK:** Water Hazard Class (Germany).

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