



# MATERIAL SAFETY DATA SHEET

[In accordance with the criteria of Regulation No 1907/2006 (REACH) and 453/2010]

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

### 1.1 Product identifier

Trade name: **SILICA GEL**  
Chemical name: Silica-Amorphous, precipitated (silicon dioxide)  
CAS number: 12945-52-5 (7631-86-91)  
Registration number: substance comes under the law of temporary period (registration before 01.06.2018, registration number: 17-2119436737-30-0000)

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

Relevant identified uses: The SiO<sub>2</sub> is used to absorb moisture.

Uses advised against: not determined.

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

Importer: **InnoGoods BV**  
Address: Postbus 81180, 3009 GD Rotterdam, The Netherlands  
Telephone/Fax number: +31 (0)10- 798 24 19  
E-mail address for a competent person responsible for msds: [biuro@theta-doradztwo.pl](mailto:biuro@theta-doradztwo.pl)

### 1.4 Emergency telephone number

112

## Section 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification according to 67/548/EEC

Substance is not classified as dangerous.

Classification according to 1272/2008/EC

Substance is not classified as dangerous.

### 2.2 Label elements

Hazard symbols and signal words

None.

Hazard statements

None.

Precautionary statements

None.

### 2.3 Other hazards

No information whether the substance or mixture meets criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation.

## Section 3: Composition/information on ingredients

### 3.1 Substances

Silica-Amorphous, precipitated

Range of percentages: ≥99%  
CAS number: 112945-52-5  
EC number: 231-545-4



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## Section 4: First aid measures

### 4.1 Description of first aid measures

Skin contact: take off contaminated clothes. Wash out skin with plenty of water with soap. Consult a doctor if irritation persists.

Eye contact: wash out with plenty of water with the eyelid hold wide open, for 10-15 min. Remove any contact lenses. Seek medical advice.

Ingestion: rinse mouth with water; give plenty of water to drink. Do not give anything by mouth to an unconscious person. Do not induce vomiting. Immediately consult a doctor – show the container or label.

Inhalation: remove person to fresh air. Keep warm and calm. Consult a doctor, if feels unwell.

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

Eye contact: may cause irritation, redness.

Skin contact: may cause irritation.

Ingestion: stomach pain, nausea, vomiting.

Inhalation: may cause irritation.

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

Physician makes a decision regarding further medical treatment after thoroughly examination of the injured.

## Section 5: Firefighting measures

### 5.1 Extinguishing media

Suitable extinguishing media: extinguishing media adapt to materials in surrounding.

Unsuitable extinguishing media: water jet – risk of the propagation of the flame.

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

May produce toxic fumes if burning. Do not inhale combustion products.

### 5.3 Advice for firefighters

Product is not combustible. Personal protection typical in case of fire. Wear suitable respiratory equipment.

## Section 6: Accidental release measures

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

For non-emergency personnel: limit the access for the outsiders into the breakdown area, until the suitable cleaning operations are completed. In case of large spills, isolate the exposed area. Ensure adequate ventilation, do not inhale dusts. Ensure adequate personal protective equipment.

For emergency responders: ensure that removing the problem and its results is conducted by a trained personnel only.

### 6.2 Environmental precautions

In case of release of large amounts of the product, it is necessary to take appropriate steps to prevent it from spreading into the environment. Notify relevant emergency services.

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

Sweep, vacuum or shovel and place into closable containers for disposal. Material recover, if possible or treat as a waste product.

### 6.4 Reference to other sections

Appropriate conduct with waste product – section 13. Personal protective equipment – see section 8.



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## Section 7: Handling and storage

### 7.1 Precautions for safe handling

Handle in accordance with good occupational hygiene and safety practices. Ensure adequate ventilation of area. Avoid breathing dust. Before break and after work wash carefully hands. Avoid contact with eyes.

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

Keep container tightly closed, in dry, cool and well-ventilated place. Store only in original container. Keep away from food, beverages or feed for animals. Protect against water and moisture.

### 7.3 Specific end use(s)

The SiO<sub>2</sub> is used to absorb moisture.

## Section 8: Exposure controls/personal protection

### 8.1 Control parameters

For substance are not indicated any occupational exposure limit values at working place in Community.

Please check national occupational exposure limit values in your country.

### 8.2. Exposure controls

Use the product in accordance with good occupational hygiene and safety practices. When handlings do not eat, drink or smoke. Before break and after work carefully wash hands. Avoid eyes and skin contamination. General exhaust ventilation is necessary to control any air contaminants to within their exposure limits during use of this product.

#### Hand and body protection

Use protective gloves and work coveralls.

The material that the gloves are made of must be impenetrable and resistant to the product's effects. The selection of material must be performed with consideration of breakthrough time, penetration speed and degradation. Moreover, the selection of proper gloves depends not only on the material, but also on other quality features and changes depending on the manufacturer. The producer should provide detailed information regarding the exact breakthrough time. This information should be followed.

#### Eye/face protection

Wear safety glasses or goggles.

#### Respiratory protection

If ventilation is insufficient, suitable respiratory protection must be provided (mask with filter).

Applied personal protective equipment must comply with the requirements of the Directive 89/686/EC. The employer is obliged to provide protective equipment relevant to performed activities and in accordance with all quality requirements, including its maintenance and cleaning.

#### Environmental exposure controls

Do not allow the substance to contaminate surface water/ground water.

## Section 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

physical state:	solid
colour:	white
odour:	odourless
odour threshold:	not determined
pH (20°C):	not determined
melting point/freezing point:	>1600°C
initial boiling point and boiling range:	2230 °C
flash point:	not determined
evaporation rate:	not determined
flammability (solid, gas):	not flammable



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upper/lower flammability or explosive limits:	not determined
vapour pressure:	not determined
vapour density:	not determined
density (20°C):	not determined
solubility(ies) (20°C):	not determined
partition coefficient: n-octanol/water:	not determined
auto-ignition temperature:	not determined
decomposition temperature:	not determined
explosive properties:	not display
oxidising properties:	not display
viscosity:	not applicable

## 9.2 Other information

bulk density:	0,8-0,9 kg/dm <sup>3</sup>
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## Section 10: Stability and reactivity

### 10.1 Reactivity

Product will not polymerise.

### 10.2 Chemical stability

The product is stable under normal conditions.

### 10.3 Possibility of hazardous reactions

Unknown.

### 10.4 Conditions to avoid

Water, moisture – product is hygroscopic.

### 10.5 Incompatible materials

Trong oxidizers.

### 10.6 Hazardous decomposition products

Unknown.

## Section 11: Toxicological information

### 11.1 Information on toxicological effects

Information regarding acute and/or delayed results of the exposure was defined on the basis of the information on product's classification and/or toxicological studies.

#### Acute toxicity

Based on available data, the classification criteria are not met.

#### Skin corrosion/irritation

Based on available data, the classification criteria are not met.

#### Serious eye damage/irritation

Based on available data, the classification criteria are not met.

#### Respiratory or skin sensitization

Based on available data, the classification criteria are not met.

#### Reproductive toxicity (oral)

Based on available data, the classification criteria are not met.

#### Germ cell mutagenicity

Based on available data, the classification criteria are not met.



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## Carcinogenicity

Based on available data, the classification criteria are not met.

## reproductive toxicity

Based on available data, the classification criteria are not met.

## STOT-single exposure

Based on available data, the classification criteria are not met.

## STOT-repeated exposure

Based on available data, the classification criteria are not met.

## Aspiration hazard

Based on available data, the classification criteria are not met.

## Symptoms:

Eye contact: may cause irritation, redness.

Skin contact: may cause irritation.

Ingestion: stomach pain, nausea, vomiting.

Inhalation: may cause irritation.

## Section 12: Ecological information

### 12.1 Toxicity

Substance is not dangerous for the environment.

### 12.2 Persistence and degradability

Biodegradation: not applicable – product is inorganic.

### 12.3 Bioaccumulative potential

Not determined.

### 12.4 Mobility in soil

Not determined.

### 12.5 Results of PBT and vPvB assessment

Not determined.

### 12.6 Other adverse effects

This product has no influence on the global warming or the ozone layer depletion.

## Section 13: Disposal considerations

### 13.1 Waste treatment methods

Disposal methods for the product: disposal in accordance with the local legislation. Do not removed with household garbage. Store remaining in original containers. Recycle, if possible. Waste product bury in a licensed landfill or burn in an approved incinerator according to local regulations.

Disposal methods for used packing: reuse/recycling/liquidation of empty containers dispose in accordance with the local legislation. Dispose of uncleanable containers like of the product.

Legal basis: Directive 2006/12/EC, 94/62/EC and 91/689/EEC.

## Section 14: Transport information

### 14.1 UN number

Not applicable - product is not classified as dangerous during transport.

### 14.2 UN proper shipping name

Not applicable.



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## 14.3 Transport hazard class(es)

Not applicable.

## 14.4 Packing group

Not applicable.

## 14.5 Environmental hazards

Substance is not dangerous for the environment according to code IMDG, ADR, RID and ADN.

## 14.6 Special precautions for user

Not required.

## 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.

## Section 15: Regulatory information

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

**Regulation (EC) No 1907/2006** of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

**Regulation (EC) No 1272/2008** of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (Text with EEA relevance).

**Council Directive 67/548/EEC** of 27 June 1967 on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labeling of dangerous substances.

**Directive 1999/45/EC** of the European Parliament and of the Council of 31 May 1999 concerning the approximation of the laws, regulations and administrative provisions of the Member States relating to the classification, packaging and labelling of dangerous preparations.

**Commission Regulation (EC) No 790/2009** of 10 August 2009 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures (Text with EEA relevance).

**Commission Regulation (EU) No 453/2010** of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (Text with EEA relevance).

**Directive 2006/12/EC** of the European Parliament and of the Council of 5 April 2006 on waste.

**European Parliament and Council Directive 94/62/EC** of 20 December 1994 on packaging and packaging waste.

**Council Directive 91/689/EEC** of 12 December 1991 on hazardous waste.

### 15.2 Chemical safety assessment

There is no chemical safety assessment yet.

## Section 16: Other information

### Trainings

Before commencing working with the product, the user should learn the Health & Safety regulations, regarding handling chemicals, and in particular, undergo a proper workplace training.

### Other data

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Version: 1.0/EN

Composed by: mgr inż. Anna Królak (on the basis of producer's data).

Safety Data Sheet made by: „THETA” Doradztwo Techniczne

The information above is based on a current available data concerning the product, but also on the experience and knowledge in this field of the producer. They are neither a quality description of the product nor a guarantee of particular features. They are to be treated as aid to safety in transport, storage and usage of the product. That does not free the user from the responsibility of improper usage of the information above and also of improper compliance with the law norms in the field.