

## SAFETY DATA SHEET

# Silicagel

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

#### 1.1. Product identifier

▼ Trade name  
Silicagel

Product no.  
SGEL-SAND + SGEL-BEAD

Other means of identification  
EC No.: 231-545-4  
CAS No.: 7631-86-9

Unique formula identifier (UFI)  
CMC0-30J7-500H-08EC

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

Relevant identified uses of the substance or mixture  
Drying agent

Uses advised against  
None known.

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

##### Company and address

**Polyestershoppen BV**  
Oostbaan 680  
2841 ML Moordrecht  
Netherlands  
+31 85 0220090

##### Contact person

-

E-mail  
info@polyestershoppen.nl

Revision  
05/01/2026

SDS Version  
4.0

Date of previous version  
05/01/2026 (3.0)

#### 1.4. Emergency telephone number

Healthcare professionals: Dial 0344 892 0111 to reach The National Poisons Information Service (NPIS) (24 hour service)

General public:  
England - Dial 111 to reach NHS 111 (24 hour service)  
Scotland - Dial 111 to reach NHS 24 (24 hour service)

Wales - Dial 111 or 0845 4647 to reach NHS Direct (24 hour service)  
See section 4 "First aid measures".

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Not classified according to Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

### 2.2. Label elements

#### Hazard pictogram(s)

Not applicable.

#### Signal word

Not applicable.

#### Hazard statement(s)

Not applicable.

#### Precautionary statement(s)

##### General

Not applicable.

##### Prevention

Not applicable.

##### Response

Not applicable.

##### Storage

Not applicable.

##### Disposal

Not applicable.

#### Hazardous substances

Does not contain any substances required to report

#### Additional labelling

UFI: CMC0-30J7-500H-08EC

### 2.3. Other hazards

#### Additional warnings

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2023/707.

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

| Product/substance | Identifiers  | % w/w   | Classification | Note |
|-------------------|--|---------|----------------|------|
| Silicon dioxide   | CAS No.: 7631-86-9<br>EC No.: 231-545-4<br>UK-REACH:<br>Index No.: | 95-100% |                |      |

### 3.2. Mixtures

Not applicable. This product is a substance.

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

#### Other information

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

##### Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

##### Skin contact

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

##### Eye contact

If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.

##### Ingestion

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.

In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

##### Burns

Not applicable.

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

None known.

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

Treat symptomatically.

#### Information to medics

Bring this safety data sheet or the label from this product.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

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

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

#### 5.3. Advice for firefighters

No specific requirements.

## SECTION 6: Accidental release measures

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

Contaminated areas may be slippery.

### 6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc.  
Keep unauthorized persons away from the spill

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

Limit spillage, sweep up and shovel into appropriate containers for disposal. Store in suitable, closed containers for disposal.  
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

### 6.4. Reference to other sections

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

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

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

#### Recommended storage material

Always store in containers of the same material as the original container.

#### Storage conditions

No specific requirements.

#### Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

### 7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No substances are listed in the national list of substances with an occupational exposure limit.

#### DNEL

No data available.

#### PNEC

No data available.

### 8.2. Exposure controls

Apply general control to prevent unnecessary exposure

#### General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

#### Exposure scenarios

There are no exposure scenarios implemented for this product.

#### Exposure limits

Occupational exposure limits have not been defined for the substances in this product.

## Appropriate technical measures

Apply standard precautions during use of the product. Avoid inhalation of gas or dust.

## Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

## Measures to avoid environmental exposure

No specific requirements.

## Individual protection measures, such as personal protective equipment

### Generally

Use only UKCA marked protective equipment.

### Respiratory Equipment

No specific requirements.

### Skin protection

No specific requirements.

### Hand protection

| Material                 | Glove thickness (mm) | Breakthrough time (min.) | Standards |
|--------------------------|----------------------|--------------------------|-----------|
| No specific requirements | -                    | -                        | -         |

### Eye protection

#### Type

Safety glasses with side shields.

#### Standards



## SECTION 9: Physical and chemical properties

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

#### Physical state

Granulate

#### Colour

White

#### Odour / Odour threshold

No data available

#### pH

6-8

#### Density (g/cm<sup>3</sup>)

2,1-2,2 (20 °C)

#### Kinematic viscosity

Does not apply to solids.

#### Particle characteristics

Particle size: 0,5-1,5mm

#### Phase changes

#### Melting point/Freezing point (°C)

1713

**Softening point/range (°C)**

Does not apply to solids.

**Boiling point (°C)**

Does not apply to solids.

**Vapour pressure**

No data available.

**Relative vapour density**

Does not apply to solids.

**Decomposition temperature (°C)**

No data available.

**Data on fire and explosion hazards**

**Flash point (°C)**

Does not apply to solids.

**Flammability (°C)**

No data available.

**Auto-ignition temperature (°C)**

No data available.

**Lower and upper explosion limit (% v/v)**

Does not apply to solids.

**Solubility**

**Solubility in water**

Insoluble

**n-octanol/water coefficient (LogKow)**

No data available.

**Solubility in fat (g/L)**

No data available.

**9.2. Other information**

**Other physical and chemical parameters**

No data available.

**Oxidizing properties**

No data available.

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

No data available.

**10.2. Chemical stability**

The product is stable under the conditions, noted in section 7 "Handling and storage".

**10.3. Possibility of hazardous reactions**

None known.

**10.4. Conditions to avoid**

None known.

**10.5. Incompatible materials**

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

**10.6. Hazardous decomposition products**

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### Acute toxicity

|                    |                 |
|--------------------|-----------------|
| Product/substance  | Silicon dioxide |
| Test method:       | OECD 401        |
| Species:           | Rat             |
| Route of exposure: | Oral            |
| Test:              | LD50            |
| Result:            | >5000 mg/kg     |

|                    |                 |
|--------------------|-----------------|
| Product/substance  | Silicon dioxide |
| Species:           | Rat             |
| Route of exposure: | Inhalation      |
| Test:              | LC0             |
| Result:            | 0,139 mg/L      |

|                    |                 |
|--------------------|-----------------|
| Product/substance  | Silicon dioxide |
| Species:           | Rabbit          |
| Route of exposure: | Dermal          |
| Test:              | LD50            |
| Result:            | >5000 mg/kg     |

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

#### Skin corrosion/irritation

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

#### Serious eye damage/irritation

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

#### Respiratory sensitisation

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

#### Skin sensitisation

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

#### Germ cell mutagenicity

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

#### Carcinogenicity

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

#### Reproductive toxicity

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

#### STOT-single exposure

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

#### STOT-repeated exposure

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

#### Aspiration hazard

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

#### Symptoms related to the physical, chemical and toxicological characteristics

None known.

### 11.2. Information on other hazards

#### Endocrine disrupting properties

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

#### Other information

Silicon dioxide has been classified by IARC as a group 3 carcinogen.

### SECTION 12: Ecological information

#### 12.1. Toxicity

|                   |                         |
|-------------------|-------------------------|
| Product/substance | Silicon dioxide         |
| Test method:      | OECD 203                |
| Species:          | Fish, Brachydanio rerio |
| Compartment:      | Water                   |
| Duration:         | 96 hours                |
| Test:             | LC50                    |
| Result:           | >10000 mg/L             |

|                   |                        |
|-------------------|------------------------|
| Product/substance | Silicon dioxide        |
| Test method:      | OECD 202               |
| Species:          | Daphnia, Daphnia magna |
| Compartment:      | Water                  |
| Duration:         | 48 hours               |
| Test:             | LC50                   |
| Result:           | >1000 mg/L             |

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

#### 12.2. Persistence and degradability

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

#### 12.3. Bioaccumulative potential

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

#### 12.4. Mobility in soil

No data available.

#### 12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

#### 12.6. Endocrine disrupting properties

This mixture/product does not contain any substances considered to have endocrine-disrupting properties in relation to the environment.

#### 12.7. Other adverse effects

None known.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Product is not covered by regulations on dangerous waste.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

#### EWC code

Not applicable.

#### Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

### SECTION 14: Transport information

| 14.1        | 14.2                    | 14.3             | 14.4 | 14.5  | Other        |
|-------------|-------------------------|------------------|------|-------|--------------|
| UN / ID     | UN proper shipping name | Hazard class(es) | PG*  | Env** | information: |
| ADR/ADN/RID | -                       | -                | -    | -     | -            |
| IMDG        | -                       | -                | -    | -     | -            |
| IATA        | -                       | -                | -    | -     | -            |

\* Packing group

\*\* Environmental hazards

#### Additional information

Not dangerous goods according to ADR/ADN/RID, IATA and IMDG.

#### 14.6. Special precautions for user

Not applicable.

#### 14.7. Maritime transport in bulk according to IMO instruments

No data available.

### SECTION 15: Regulatory information

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

##### Restrictions for application

No special.

##### Demands for specific education

No specific requirements.

##### SEVESO - Categories / dangerous substances

Not applicable.

##### Additional information

Not applicable.

##### Sources

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.

Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

#### 15.2. Chemical safety assessment

No

### SECTION 16: Other information

#### Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

CE = Conformité Européenne (European conformity)

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

CSA = Chemical Safety Assessment

CSR = Chemical Safety Report

DMEL = Derived Minimal Effect Level

DNEL = Derived No Effect Level

EINECS = European Inventory of Existing Commercial chemical Substances

ES = Exposure Scenario

EUH statement = CLP-specific Hazard statement

EuPCS = European Product Categorisation System

EWC = European Waste Catalogue

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

GWP = Global warming potential

IARC = International Agency for Research on Cancer (IARC)

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

OECD = Organisation for Economic Co-operation and Development

PBT = Persistent, Bioaccumulative and Toxic

PNEC = Predicted No Effect Concentration

RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail

RRN = REACH Registration Number

SCL = A specific concentration limit

SVHC = Substances of Very High Concern

STOT-RE = Specific Target Organ Toxicity - Repeated Exposure

STOT-SE = Specific Target Organ Toxicity - Single Exposure

TWA = Time weighted average

UN = United Nations

UVBC = Unknown or variable composition, complex reaction products or of biological materials

VOC = Volatile Organic Compound

vPvB = Very Persistent and Very Bioaccumulative

#### [Additional information](#)

Not applicable.

#### [The safety data sheet is validated by](#)

H.A.B.

#### [Other](#)

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: GB-en