

## SAFETY DATA SHEET

# Silicagel (sand & bead)

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

### 1.1. Product identifier

#### ▼ Trade name

Silicagel (sand & bead)

#### ▼ 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

03/08/2023

#### SDS Version

2.0

#### Date of previous version

16/06/2022 (1.0)

### 1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h 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

-

Prevention

-

Response

-

Storage

-

Disposal

-

▼ Hazardous substances

None known.

▼ Additional labelling

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

## 2.3. Other hazards

▼ Additional warnings

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

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) 2018/605.

## SECTION 3: Composition/information on ingredients

### 3.1. ▼ Substances

Product/substance	Identifiers	% w/w	Classification	Note
Silicon dioxide	CAS No.: 7631-86-9 EC No.: 231-545-4 UK-REACH: 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

Upon irritation: rinse with water. In the event of continued irritation, seek medical assistance.

#### ▼ Eye contact

If in eyes: Flush eyes with plenty of water or salt water (20-30 °C) and continue until irritation stops. Remove contact lenses.

#### ▼ 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

Fire fighters should wear appropriate personal protective equipment.

## 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

Minor spills are collected with a cloth. Collection and disposal of the material shall be done with minimum creation of dust. Sweep and collect. Shall be contained in suitable and tightly closed disposal containers.

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

No special conditions required.

#### Recommended storage material

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

#### Storage temperature

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

Control is unnecessary if the product is used as intended.

#### 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

Wash hands after use.

#### ▼ 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	Standards
Safety glasses with side shields.	EN166



## 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 (waxes and pastes) (°C)

Does not apply to solids.

#### Boiling point (°C)

Does not apply to solids.

#### ▼ Vapour pressure

Testing not relevant or not possible due to the nature of the product.

#### Relative vapour density

Does not apply to solids.

#### ▼ Decomposition temperature (°C)

Testing not relevant or not possible due to the nature of the product.

### Data on fire and explosion hazards

#### Flash point (°C)

Does not apply to solids.

#### ▼ Flammability (°C)

Testing not relevant or not possible due to the nature of the product.

#### ▼ Auto-ignition temperature (°C)

Testing not relevant or not possible due to the nature of the product.

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

Does not apply to solids.

### Solubility

#### Solubility in water

Insoluble

#### ▼ n-octanol/water coefficient

Testing not relevant or not possible due to the nature of the product.

#### ▼ Solubility in fat (g/L)

Testing not relevant or not possible due to the nature of the product.

### 9.2. Other information

#### ▼ Other physical and chemical parameters

No data available.

▼ Oxidizing properties

Testing not relevant or not possible due to the nature of the product.

## 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

The product is not degraded when used as specified in section 1.

## 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

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 sensitisation

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

Skin sensitisation

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

Germ cell mutagenicity

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

Carcinogenicity

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

Reproductive toxicity

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

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

#### 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.

#### 11.2. Information on other hazards

##### ▼ Long term effects

None known.

##### ▼ Endocrine disrupting properties

Not applicable.

#### 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:	LCLo
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

#### 12.2. ▼ Persistence and degradability

No data available.

#### 12.3. ▼ Bioaccumulative potential

No data available.

#### 12.4. ▼ Mobility in soil

No data available.

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

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

#### 12.6. ▼ Endocrine disrupting properties

Not applicable.

#### 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

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

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

## SECTION 14: Transport information

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

\* Packing group

\*\* Environmental hazards

### Additional information

Not dangerous goods according to ADR, 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  
EWC = European Waste Catalogue  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
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

In accordance with UK-REACH, a safety data sheet is not required for this product. This safety data sheet has been created on a voluntary basis to distribute relevant information as required by UK-REACH.

#### ▼ 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 blue 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