

Safety Data Sheet

SDS acc. Hazard Communication Standard

REF: 711380.10

POLYGOSIL 60-5 CN, 10 g

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Printing Date: 01.10.2019

Date of Issue: 16.03.2018

Section 1: Identification

1.1 Product Identifier / Product Name

REF	711380.10
Product Name	POLYGOSIL 60-5 CN, 10 g
-	1 x 10 g POLYGOSIL 60-5 ...1000-7 (modified)

1.2 Relevant identified Uses of the Substance or Mixture and Uses advised against

Relevant identified uses

a. Product for Analytical Use.

The Exposure scenario is integrated into sections 1-16.

b. Product used as Cleaning and Filtration aid.

This Exposure scenario is also integrated into sections 1-16.

Uses advised against

not described

1.3 Details of the Supplier and of the Safety Data Sheet

Manufactured by:

MACHEREY-NAGEL GmbH & Co. KG
Neumann-Neander-Str. 6-8, 52355 Dueren, GERMANY
Tel.: +49 2421 969 0

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1.4 Emergency Telephone Number

Information not necessary.

You find our current versions of SDS (22 languages) in Internet:

<http://www.mn-net.com/SDS>

Section 2: Hazard(s) Identification

2.1 Classification of the Substance(s) or Mixture(s)

10 g POLYGOSIL 60-5 ...1000-7 (modified)

Signal Word Do not need labelling as hazardous
-

No Hazard Class

2.2 Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

10 g POLYGOSIL 60-5 ...1000-7 (modified)

Do not need labelling as hazardous

Signal Word: -

2.3 Other Hazards

Possible Hazards from physicochemical Properties

According to our current status of knowledge and experience we state, that this product does not contain any substances, which - in accordance with GHS directives and EC regulations 1272/2008/EC, 1907/2006/EC for Hazardous goods - have to be declared as dangerous goods, either because of their applied concentration or because of their total amount in anyone kit. An individual package has considerably less hazardous potential. ---

Information pertaining to particular Risks to Human and possible Symptoms

Avoid inhalation of dust. ---

Information pertaining to particular Risks to the Environment

Other Hazards

It is not possible to declare fine dust (< 12 µm) as dangerous or not. We recommend not to inhale product dust. Dust may cause damage of the inhalatory system if inhaled over a longer period.---

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Section 3: Composition/Information on Ingredients

3.1 Substances or 3.2 Mixtures

10 g POLYGOSIL 60-5 ...1000-7 (modified)

Chemical: *silica*

CAS No.: 7631-86-9

Classification:

No criteria for classification or naming of chemical is not required.

Chemical Formula:

SiO₂

Synonyms:

silicon dioxide, Diatomite, precipitated amorphous silica

TSCA Inventory:

listed

RTECS:

VV7315000

MFCD:

00011232

EC No.:

231-545-4

Weight Percent:

95 - <100 %

acc. GHS:

The criteria for classification are not fulfilled.

3.3 Remarks

Section 4: First-Aid Measures

4.1 Description of First-Aid Measures

Place insured person out of danger zone to fresh air immediately.

4.1.1 After SKIN Contact

Remove dust with wetted tissue. Not necessary.

4.1.2 After EYE Contact

Rub dust with teardrops from eyes

4.1.3 After INHALATION of Vapors

Not necessary. After inhalation of dust fresh air should be inhaled.

4.1.4 After ORAL Intake

Not necessary.

4.2 Most important Symptoms and Effects, both acute and delayed

4.3 Indication of any immediate Medical Attention and Special Treatment needed

No additionally recommendations. ---

Section 5: Fire-Fighting Measures

5.1 Extinguishable Media

Fire extinguishers appropriate to the fire classification, and, if applicable, a fire blanket must be available in a prominent location in the work area. All extinguishers like WATER FOG, WATER SPRAY, alcohol-resistant FOAM, DRY CHEMICAL, CARBON DIOXIDE can be used.

5.2 Special Hazards arising from the Substance or Mixture

None.

5.3 Advice for Firefighters

No, for listed product. Product package burns like paper or plastic.

5.4 Additional Information

Section 6: Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedure

Avoid dusting. Do not breathe dust. Not necessary.

6.2 Environmental Precautions

not necessary

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6.3 Methods and Material for Containment and Cleaning up

Remove remaining dust with a vacuum cleaner. If there is no vacuum cleaner, wet dust well and remove mechanical (Inhalation protection). Clean working area with water. Flush used water into sewer.

6.4 Reference to other Sections

Section 7: Handling and Storage

7.1 Precautions for Safe Handling

Avoid dusting.

7.2 Conditions for Safe Storage, including any Incompatibilities

The original product package of MACHEREY-NAGEL allows a safe storage.

Storage class (VCI): 13
 Water hazard class (DE): nwg

7.2.1 Conditions for Safe Storage, including any Incompatibilities

Keep original product packages tightly closed during handling and storage.

7.3 Specific End Use(s)

- a. Product for analytical use.
- b. Product used as cleaning and filtration aid.

Section 8: Exposure Controls/Personal Protection

8.1 Control Parameters

10 g POLYGOSIL 60-5 ...1000-7 (modified)

Chemical: *silica* CAS No.: 7631-86-9
 DNEL: [inh] 4 mg/m³
DNEL = Derived No-Effect Level (for workers)
 PNEC_(fresh water): -
PNEC = Predicted No Effect Concentration
 NIOSH: Occupational Carcinogen List yes; [TWA] 6 mg/m³
[TWA] Time-weighted average to a reference period of 8 hours, [STEL] Short-term exposure limit related to a 15-minute period
 OSHA: [TWA] 20 mppcf / 80 mg/m³

8.2 Exposure Controls

Not necessary.

8.2.1 Respiratory Protection

Not necessary. Use for dusty working a mask or a dust respirator, class P1. Use for regular working with dry powders a mask or a dust respirator, class P3.

8.2.2 Hand Protection

Not necessary, recommended for often use.

8.2.3 Eye/Face Protection

Not necessary.

8.2.4 Skin Protection

Not necessary.

8.2.5 Hygiene Measures

Information not necessary.

Section 9: Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

10 g POLYGOSIL 60-5 ...1000-7 (modified)

a) Appearance: powder (solid)	Color: colorless	b) Odor: odorless
c) Odor Threshold:	data not available	
d) pH:	data not available	
e) Melting Point:	data not available	
f) Boiling Point:	data not available	
g) Flash Point:	data not available	
h) Evaporation Rate _(ether=1) :	data not available	

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i)	Flammability (solid, gas):	data not available
j)	Explosive Limits:	data not available
k)	Vapor Pressure (68°F):	data not available
l)	Vapor Density (air=1) :	data not available
m)	Specific Gravity:	data not available
n)	Soluble in Water:	0 %
o)	Partition Coefficient (o-w):	data not available
p)	Autoignition Temperature:	data not available
q)	Decomposition temperature:	data not available
r)	Viscosity:	data not available
s)	Explosive properties:	data not available
t)	Oxidizing properties:	---
	Particle size:	3-10 µm

9.2 Other Information

Relevant Properties of Substance Group

Section 10: Stability and Reactivity

10.1 Reactivity

None

10.2 Chemical Stability

No known instability.

10.3 Possibility of Hazardous Reactions

None.

10.4 Conditions to avoid

Not known. None ---

10.5 Incompatible Materials

None. Not necessary. ---

10.6 Hazardous Decomposition Products

In the original package all parts/all reagents are safety and separated stored. Decompositions are not observed during the expiration period under recommended conditions.

Section 11: Toxicological Information

11.1 Information on Toxicological Effects

Following information is valid for pure chemicals.

10 g POLYGOSIL 60-5 ...1000-7 (modified)

Chemical:	<i>silica</i>	CAS No.: 7631-86-9
TSCA Inventory:	listed	California Prop. 65 List: not listed
Exposure Routes:	inhalation, skin and/or eye contact	
Target Organs:	Eyes, respiratory system	
Symptoms:	irritation eyes, pneumoconiosis	
Canada CEPA 1999:	DSL yes	
LD50 _{orl rat} :	5000 mg/kg	
LC50 _{ihl rat} :	[4h] 140-58 800 mg/m ³	
LD50 _{drm rbt} :	2000-5000 mg/kg	
Avoid inhalation of dust.		

Section 12: Ecological Information

12.1 Toxicity

Following information is valid for pure chemicals.

10 g POLYGOSIL 60-5 ...1000-7 (modified)

Chemical:	<i>silica</i>	CAS No.: 7631-86-9
PNEC _(fresh water) :	-	
PNEC = Predicted No Effect Concentration		
LC50 _{fish/96h} :	[4d] 1033-1289 mg/L	
EC50 _{daphnia/48h} :	512; [4d] 2600 mg/L	

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EC50_{chlorella vulgaris/5d} :

[4d] 218 mg/L

12.2 Persistence and Degradability

not necessary

12.3 Bioaccumulative Potential

not necessary

12.4 Mobility in Soil

not necessary

12.5 Results of PBT and vPvB Assessment

no data available

12.6 Other Adverse Effects

no additional data available

Section 13: Disposal Considerations

Not necessary.

13.1 Waste Treatment Methods

GENERAL: Empty solids into municipal waste, empty liquids diluted into drains.

Section 14: Transport Information

14.1. -14.4. Not necessary

14.5 Environmental Hazards

none

14.6 Special Precautions for User

not necessary

14.7 Transport in Bulk according to Annex II of MARPOL and the IBC Code

not applicable

Section 15: Regulatory Information

15.1 Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

U.S. Federal Regulations

OSHA "A Guide to The Globally Harmonized System of Classification and Labelling of Chemicals (GHS)"

<https://www.osha.gov/dsg/hazcom/ghs.html>

29 CFR 1910.1200 Hazard communication.

15.2 Chemical Safety Assessment

Section 16: Other Information

16.1 List of Hazard and Precaution Phrases

16.1.1 List of relevant H Phrases

16.1.2 List of relevant P Phrases

16.2 Training Advice

Regular safety training.

16.3 Recommended Restriction on Use

None

16.4 Further Information

MACHEREY-NAGEL GmbH & Co. KG provides the information contained herein in good faith being up-to-date of own realizations at revision time. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgement in determining its appropriateness for a particular purpose.

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16.5 Sources of Key Data

GHS: EU Regulation 1272/2008/EC on Classification, Labelling and Packaging of Substances and Mixtures, amending and repealing EU Directives 67/548/EEC and 1999/45/EC, and amending EU Regulation 1907/2006/EC

SDS: EU Regulation 453/2010/EU REACH - Requirements for the Compilation of Safety Data Sheets
KÜHN, BIRETT (German), Data Sheets of Hazardous Substances

Revisions/Updates

Reason for Revision: 2016-03 Adaptation of European Regulation 1221/2015/EU

You find our current Versions of SDS in Internet:

<http://www.mn-net.com/SDS> [U.S. English]