




1 Identification of the substance/mixture and of the company/undertaking

- 1.1 Product identifier **WAPOTEC® sand, WAPOTEC® gravel, multiSorp® sand, multiSorp® gravel**
(various grain sizes)
- Other identification Silica sand/gravel
- REACH registration n° Exempted from registration according REACH annex V7
- 1.2 Use of substance Filter media for swimming pool use (closed/pressurized filters)
- 1.3 Supplier WAPOTEC GmbH
Franz-Sauer-Strasse 44
A-5020 Salzburg
Tel: +43 662 434342-0
Fax: +43 662 434342-3
- Contact Mr. G. Weiss
Email: office@wapotec.at
- 1.4 Emergency phone +43 662 43 43 42-0
Office hours:
MO - TH: 8.00 - 16.00
FR: 8.00 - 12.00

2 Hazards identification

- 2.1 Classification of the substance or mixture
-  according to Directive (EC) N° 1272/2008
Not applicable
The product is not classified hazardous.
-  according to Directive (EC) N° 67/548/EWG
Not applicable
The product is not classified as hazardous.
-  Additional information
REACH-regulation, annex XIII and XIV
- 2.2 Additional hazard notes for human and environment:
None
- 2.3 Other hazard information
Silica sand does not meet the criteria for PBT- and vPvB classification

3 Composition/information on ingredients

3.1 Chemical characteristics

CAS.-N°.: 014808-60-7

CE-N°.: 238-878-4

REACH: Exempted from registration according REACH annex V7

Purity: SiO₂-content > 98%

Impurities:

Alveolar silica dust < 1%, classified as STOT RE1

3.2 Additional notes:

None

3.3 Remarks:

None

4 First-aid measures

4.1 Description of first-aid measures

No special measures required.

☺ After inhalation

No special measures required. Move affected person immediately to fresh air.

☺ After skin contact

No special measures required. After skin contact, wash the affected area with water.

☺ After eye contact

After eye contact, rinse eye. In case of eye irritation consult physician.

☺ After ingestion

No special measures required.

4.2 Self-protection of first aider

No special measures required.

4.3 Indication of medical attention (symptoms, hazards, treatment)

Symptoms: neither acute nor delayed symptoms to be expected

Treatment: no special treatment required

5 Fire-fighting measures

5.1 Extinguishing media

☺ Suitable extinguishing media

No special extinguishing media required

☾ Unsuitable extinguishing media for safety reasons

Unknown

5.2 ☾ Special hazards arising from the substance or the product itself, from its combustion products or resulting gases

Silica flour does not burn or decompose and there are no gases.

5.3 ☾ Special protective actions for fire fighters

Not required.

5.4 Additional notes: not required

None



6 Accidental release of material

6.1 Personal precautions, protective equipment and suitable emergency procedures.

Avoid generation of dust by dry sweeping; use respiratory protection

Avoid getting in contact with dust when cleaning clothes by wearing disposable protective clothing and headgear.

6.2 Environmental precautions

No special measures required.

6.3 Methods and material for retention and cleaning up.

No dry sweeping! Use an approved dust suction system for silica or take the material well moisturized mechanically up and deposit it in a closed container.

6.4 Reference to other clauses

None



7 Handling and storage

7.1 Protections for safe handling

Store delivered container in a manner that they can not be accidentally damaged.

Store delivered container in a manner that they are protected against environmental influences (e.g. moisture in paper bags, UV radiation in plastic packaging).

Make sure that existing suction and / or respirators are operating and cover your personal work area. If possible, use disposable clothing and headgear to prevent (dust) pollution of your clothes. So that dust is prevented at a later necessary cleaning.

Open only the containers that are used directly for the operation.

Keep filling levels as low as possible.

Avoid opened containers to stand around.

Precautions:

Make sure that existing suction and / or respirators are operating and cover your personal work area. If possible, use disposable clothing and headgear to prevent (dust) pollution of your

clothes. So that dust is prevented at a later necessary cleaning.

Technical measures:

Areas where dust is formed must be equipped with an appropriate exhaust ventilation. If the dust-free workspace cannot be ensured, suitable respiratory protection must be worn.

Measures to prevent aerosol and dust generation

Store delivered container in a manner that they can not be accidentally damaged.

Store delivered container in a manner that they are protected against environmental influences (eg moisture in paper bags, UV radiation in plastic packaging).

Open only the containers that are used directly for the operation.

Keep filling levels as low as possible.

Avoid opened containers to stand around.

7.2 Conditions for safe storage including any incompatibilities

Technical measures and storage conditions

Store delivered container in a manner that they can not be accidentally damaged.

Store delivered container in a manner that they are protected against environmental influences (e.g. moisture in paper bags, UV radiation in plastic packaging).

Packaging materials

Store in a dry place and protect against moisture (rain, snow, humidity). Keep away from UV-radiation.

Design of storage rooms and container

Storage room should be dry and protect from weather influences.

Storage room must not be heated or cooled.

Material incompatibility

No special instructions

Relative humidity (%):

The storage area must be dry and sheltered from weather influences.

Storage stability:

Silica flour does not decompose

Maximum storage period

Recommendation: maximum ½ year due to the commercial packaging.

In well-protected storage, the storage duration can also be increased

When stored in customer-specific packaging, e.g. tin buckets, the duration is unlimited.

VbF class

Not applicable.

7.3 Specific end uses:

Not applicant

Recommendation:

Not applicant

Industry solutions:

Not applicant

8 Exposure controls/personal protection

8.1 Exposure limit values

Respirable silica dust – CAS-Nr. 014808-60-7

8.2 Exposure control

Technical measures and appropriate working operations have priority over the use of personal protective equipment.

Keep the area where silica sand would apply encapsulated and insert extraction unit. Ensure sufficient ventilation if dusting occurs unexpectedly.

Respiratory protection

People who are exposed to silica dust in spite of all technical measures should wear a respirator appropriate to the national regulations

Hand protection

People with sensitive skin should cover the bodies concerned (especially when using creams), and optionally use gloves.

Eye protection

Wear safety glasses in accordance with EN 166/2001

Personal protection

We also recommend the use of disposable clothing and headgear.

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties.

Appearance	solid
Colour	white to light blue
Odour	odourless
Explosive properties	none
Density	2,65 g / cm ³
Water solubility	negligible
pH value	-
Melting point / melting range	1710 °C

9.2 Further information

None.

**10 Stability and reactivity**

- 10.1 Reactivity
Inert, non reactive
- 10.2 Chemical stability
Silica is chemically stable
- 10.3 Possibility of hazardous reactions
. / .
- 10.4 Conditions to avoid
. / .
- 10.5 Incompatible materials
. / .
- 10.6 Hazardous decomposition products.
. / .

**11 Toxicological information**

- 11.1 Acute toxicity
Based on the data available, the classification criteria are not met
 Irritation
Based on the data available, the classification criteria are not met
 Sensitization
Based on the data available, the classification criteria are not met
 Toxicity at repeated application
Based on the data available, the classification criteria are not met
 Carcinogenicity
Based on the data available, the classification criteria are not met
 Mutagenicity
Based on the data available, the classification criteria are not met
 Reproductive toxicity
Based on the data available, the classification criteria are not met
 Further information







-

**12 Ecological information**

- 12.1 Toxicity
. / .
- 12.2 Persistence and degradability
. / .
- 12.3 Bioaccumulative potential
. / .
- 12.4 Mobility in soil
. / .
- 12.5 Results of PBT- and vPvB-assessment
. / .
- 12.6 Other adverse effects
Not known



13 Disposal considerations

- 13.1 Waste treatment methods
Your waste disposal service or your local authority will give you information on the disposal options that comply with the applicable provisions with you.
- 13.2  Waste key number and waste name
. / .
- 13.3  Packaging
 Contaminated packaging material
Avoid dust when handling packaging containing residues or dust adhesion
 Convenience packaging
Keep up the packaging for transport in closed containers
 Reusable packaging
Empty the package as complete as possible, a cleaning on your part is not required. Store the sealed packages until redelivery and protected against environmental influences
 Cleaned packaging
Not applicable

14 Transport information

- 14.1 UN-number: ./.
- 14.2 UN Proper Shipping Name: ./.
- 14.3 Transport hazard class: ./.
- 14.4 Packing group: ./.
- 14.5 Environmental hazards: ./.
- 14.6 Special precautions for the user: ./.
- 14.7 Transport in bulk according to Annex II of MARPOL agreement 73/78 and according to IBC-Code: ./.

15 Regulatory information

- 15.1 Safety-, health- and environmental regulations/legislation specific for the substance or mixture
- This safety data sheet complies with the Regulations (EC) Reach N° 1907/2006.
The alloy is classified according to Dangerous Preparations Directive (EC) 1999/45 and to regulation (EC)1272/2008 Annex I.

National regulatory:

Austria:

- ☉ Labeling according to BGBl II 2000/81 ChemV 1999.
The product is not classified and does not require hazards identification.
- ☉ ChemG 1996
This product is not classified hazardous according to the Austrian chemical legislation of 1996.
- ☉ VbF - Directive about combustible liquids (BGBl 1991/240)
This product is not classified as combustible liquid

Germany:

- ☉ Classification in water hazard classes according VwVwS dated 27.07.2005
(list assessment ident n° 801).
nwh (not water hazardous)

16 Other information

- 16.1 Relevant R and H phases (number and full text)
- ./.
- 16.2 ☉ Training recommendation:
- Any persons in your company handling the silica sand/ gravel must be informed of its content of alveolar dust particles and trained in the proper manipulating of the product.



16.3 Recommended restrictions on use

None

16.4 Further information:

None

 Written by Wapotec GmbH

