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Section 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
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
- Use of substance Filter media for swimming pool use (closed/pressurized filters)
- REACH registration N° Exempted from registration according REACH annex V7
- 1.3 Supplier WAPOTEC GmbH
Franz-Sauer-Strasse 44
A-5020 Salzburg
Tel: +43 662 434342-0
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- Contact Mr. G. Weiss
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- 1.4 Emergency phone +43 662 43 43 42-0
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MO - TH: 8.00 - 16.00
FR: 8.00 - 12.00
- Toxicity information centre Vienna:**
Phone: +43 1 406 43 43
Available: 0-24h



Section 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° 1999/45
 - Not applicable
The product is not classified hazardous.
 - Additional information
- REACH-regulation, annex XIII and XIV
- 2.2 Identification labeling
- according to Directive (EC) N° 1272/2008

Not app.

According to Directive (EC) N° 1272/2008 the product does not require hazard labeling.

☺ according to Directive (EC) N° 1999/45

Not app.

According to Directive 1999/45/EC the product does not require hazard labeling

☺ Danger defining components for labeling

Not applicable.

2.3 Other hazard information

Silica sand does not meet the criteria for PBT- and vPvB classification



Section 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



Section 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

Section 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.

Section 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: see section 13.
- 6.4 Reference to other clauses
 Protective measures see section 8
 Disposal see section 13

Section 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



Section 8 Exposure controls/personal protection

8.1 Exposure limit values

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

8.2 Exposure control

☉ General protective and hygiene measures

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.



Section 9 Physical and chemical properties

9.1	Information on basic physical and chemical properties.	
	Appearance	Solid
	Color	White to light blue
	Odor	Odorless
	Odor threshold	No data available.
	pH	No data available.
	Melting point	1710°C
	Boiling point / boiling range	N. t.
	Flash point	N. t.
	Evaporation rate	No data available.
	Flammability	No data available.
	Upper explosion limit	No data available.
	Lower explosion limit	No data available.
	Vapor pressure (50 °C)	No data available.
	Density (20 °C)	2,65 g/cm ³
	Water solubility (20°C)	Negligible.
	Partition coefficient; n-octanol-water	No data available.
	Auto ignition temperature	No data available.
	Decomposition temperature	No data available.
	Viscosity (20 °C)	No data available.
	Explosive properties	The product is not explosive. Explosive dust-/air mixtures are possible.
	Oxidizing properties	No data available.
9.2	Further information	
	None.	

Section 10 Stability and reactivity

10.1	Reactivity
	Inert, non reactive
10.2	Chemical stability
	Silica is chemically stable
10.3	Possibility of hazardous reactions
	No data available.

- 10.4 Conditions to avoid
No data available.
- 10.5 Incompatible materials
No data available.
- 10.6 Hazardous decomposition products.
No data available.

Section 11 Toxicological information

- 11.1 Acute toxicity
No test made on the product itself.
- ☐ Primary Irritations
Skin: Danger of mechanical irritations by dust.
Eye: Danger of mechanical irritations by dust.
- ☐ Sensitization
No sensitizing effects known.
- ☐ Cancerogenity
The product does not contain any ingredients at a concentration equal or higher than 0,1%, being listed as carcinogen at the International Agency for Cancer Research (IARC) or the American Conference for Governmental Industrial Hygienic (ACGIH).
- ☐ Mutagenicity
The product does not contain any ingredients at a concentration equal or higher than 0.1%, being listed as mutagen.
- ☐ Reproductive toxicity
The product does not contain any ingredients at a concentration equal or higher than 0.1%, being listed as toxic for reproduction.
- ☐ Further information
No data available.

Section 12 Ecological information

- 12.1 Toxicity
No data available.
- 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 No data available.
12.6	Other adverse effects Not known

Section 13 Disposal considerations

13.1	<p>Waste treatment methods</p> <p>Your waste disposal service or your local authority will give you information on the disposal options that comply with the applicable provisions with you.</p> <ul style="list-style-type: none"> ☉ Waste key number and waste name <p>No data available.</p> <ul style="list-style-type: none"> ☉ European waste catalogue <p>EAK-waste key is source-related. This may lead to another classification. The decision is up to the enduser.</p> <ul style="list-style-type: none"> ☉ Contaminated packaging material <p>Avoid dust when handling packaging containing residues or dust adhesion</p> <ul style="list-style-type: none"> ☉ Convenience packaging <p>Keep up the packaging for transport in closed containers</p> <ul style="list-style-type: none"> ☉ Reusable packaging <p>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</p> <ul style="list-style-type: none"> ☉ Cleaned packaging <p>Not applicable</p>
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Section 14 Transport information

14.1	<p>UN-Number</p> <p>Not applicable.</p>
14.2	<p>Proper UN-shipping name</p> <p>Not applicable.</p>
14.3	<p>Transport hazard class</p> <p>Not applicable.</p>
14.4	<p>Packaging group</p> <p>Not applicable.</p>
14.5	<p>Environmental hazards</p>

- Not applicable.
- 14.6 Special precautions for the user
Not applicable.
- 14.7 Transport in bulk according to Annex II of MARPOL agreement 73/78 and according to IBC-Code
Not applicable.

Section 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-Amendment 2011.
This product is not classified hazardous according to the Austrian chemical legislation of 1996-Amendment 2011..
- ☉ 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)

Section 16 Other information

The information provided on this SDS is correct to the best of our knowledge and information, but not to be considered as warranty or quality specification nor creates contractual relationship. The information given is designed only as guidance for safe handling. Since unknown risk potentials can never be completely ruled out, the product should be handled with the usual care when dealing with chemicals and only for the uses listed in Section 1.

The categorization according to Dangerous Preparations Directive 1999/45/EC resp. Regulation CLP (EC)1272/2008 is based on the classification of the single component according to Annex VI of regulation CLP (EC)1272/2008 as well as upon manufacturer details completed by indications from hazardous material database.

- ☉ Relevant R phases

Not applicable.

☉ Relevant H phases

Not applicable.

☉ Relevant hazard classification

Not applicable.

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

☉ Issue Number 2
Replaces Number 1 dated 02.04.2012
Amendments: 1.4, 8.2, 9.1, 11.1, 15.1

☉ Written by WAPOTEC GmbH

☉ Short cuts n. t. not tested
PBT persistent, bio-accumulative, toxic
vPvB high persistent, high bio-accumulative
ECHA European Chemicals Agency (<http://www.echa.eu>)

