

Safety Data Sheet

according to regulation (EU) No. 1907/2006

Printing date: 07/10/2017

picodent dental gypsum, type I - V

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1. Identification of the substance/preparation and of the company/undertaking *

1.1. Information on the product

Trade name: picodent dental gypsum, type I - V

1.2. Relevant identified uses of the substance/preparation and uses that are inadvisable

No further relevant information available

Application of the substance / the preparation Dental gypsum for model production (Auxiliary for dental technology)

1.3. Details about the supplier of the safety data sheet

Manufacturer/Supplier:

Company name: picodent GmbH
Street: Lüdenscheider Str. 24-26
City: D-51688 Wipperfürth
Telephone: +49 2267 6580-0
E-Mail: picodent@picodent.de
Internet: www.picodent.de
Department for information: picodent GmbH
Fax-No. +49 2267 6580-31
Telephone-No. +49 2267 6580-0

1.4. Emergency contact number: Telephone-No. +49 2267 6580-0
(07.30 am - 4.45 pm) Telephone-No. +49 171 6126850

2. Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The product is not to be classified according to the CLP regulation.

2.2. Label elements

Labelling according to Regulation

(EC) No 1272/2008 Void
Hazard pictograms Void
Signal word Void
Hazard statements Void

3. Composition/information on ingredients

3.2. Chemical characterisation: Mixtures

Description: Blend of gypsum
Dangerous components: Void
SVHC No
Additional information For the wording of the listed risk phrases refer to section 16.

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4. First aid measures

4.1. Description of first aid measures

General information

No special measures required.

After inhalation:

Supply fresh air; consult doctor in case of symptoms.

After skin contact:

Wash with water and soap.

After eye contact:

The product is not skin irritating.

Rinse opened eye for 15 minutes under running water. If symptoms persist, consult doctor.

After swallowing:

Rinse out mouth and then drink plenty of water (approx. 500 ml).
In case of persistent symptoms consult doctor.

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

No further relevant information available.

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

No further relevant information available.

5. Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing agents

Use fire fighting measures that suit the environment.
CO₂, extinguishing powder or water jet. Fight larger fires with foam.

5.2. Special hazards arising from the substance or mixture

Fire can cause release of: Sulfur trioxide (SO₃)

5.3. Advice for firefighters

Protective equipment:

No special measures required.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid causing dust.
Wear protective clothing.
Use breathing protection against the effects of fumes/dust/aerosol.

6.2. Environmental precautions:

No special measures required.

6.3. Methods and material for containment and cleaning up:

Collect mechanically.

6.4. Reference to other sections

No dangerous materials are released.

7. Handling and storage

7.1. Precautions for safe handling

Prevent formation of dust.
Provide suction extractors if dust is formed.
Ensure that suitable extractors are available on processing machines
Wear breathing protection when decanting larger quantities without extractor facilities.

Information about protection against explosions and fires:

The product is not flammable
No special measures required.

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7.2. Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and containers:

No special requirements.

Information about storage in one common storage facility:

Not required.

Further information about storage conditions:

Keep container tightly sealed.

7.3. Specific end use(s)

No further relevant information available.

8. Exposure controls/personal protection

Additional information about design of technical systems:

No further data; see section 7.

8.1. Control parameters

Components with critical values that require monitoring at the workplace:

CAS No.	Designation of material	%	Type	Value	Unit
	General dust exposure limit, measured as alveolic part		German TRGS 900 (2015)	1,25	mg/m ³

Additional information:

The lists that were valid during compilation were used as a basis.

8.2. Exposure controls

Personal protective equipment

General protective and hygienic measures

The usual precautionary measures should be adhered to in handling the chemicals.

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes.

Do not inhale dust / smoke / mist.

Breathing equipment:

Use breathing protection in case of insufficient ventilation.

Short term filter device: ABEK-filter

Filter P1.(For solid particles, DIN 3181)

Protection of hands:

Not required.

Material of gloves

not applicable

Penetration time of glove material

not applicable

Eye protection:

Safety glasses (DIN 58211, EN 166)

Body protection:

Light weight protective clothing

9. Physical and chemical properties *

9.1. Information on basic physical and chemical properties

General Information

Appearance:

Form:

Powder

Colour:

White or coloured

Smell:

Odourless

Odour threshold:

not applicable

pH-value (10 g/l) at 20 °C:

5 - 7 (Suspension)

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Change in condition

Melting point/Melting range:	> 1400 °C
Boiling point/Boiling range:	Not determined
Flash point:	Not applicable
Inflammability (solid, gaseous)	not applicable
Ignition temperature:	not applicable
Decomposition temperature:	not determined
Danger of explosion:	Product is not explosive.
Critical values for explosion:	
Lower:	not applicable
Oxidising properties	none
Steam pressure:	not applicable
Density at 20 °C	2.24 - 2.96 g/cm ³
Settled apparent density at 20 °C	600 - 1200 kg/m ³
Evaporation rate	not applicable
Solubility in / Miscibility with Water at 20 °C:	2 g/l
Partition coefficient (n-octanol/water):	ca. -2 log POW
Viscosity:	
dynamic:	not applicable

9.2. Other information No further relevant information available.

10. Stability and reactivity

10.1. Reactivity	No further relevant information available.
10.2. Chemical stability	
Thermal decomposition / conditions to be avoided:	No decomposition if used according to specifications.
10.3. Possibility of hazardous reactions	No dangerous reactions known
10.4. Conditions to avoid	No further relevant information available.
10.5. Incompatible materials:	void
10.6. Hazardous decomposition products:	Sulphur trioxide (SO ₃) Temp. > 1000 °C

11. Toxicological information

11.1. Information on toxicological effects

Acute toxicity

LD/LC50 values that are relevant for classification:

Components	Type	Value	Species
Product ATEmix (calculated)	oral	> 2000 mg/kg	

Primary irritant effect:

Skin corrosion/irritation	Based on available data, the classification criteria are not met.
Serious eye damage/irritation	Moderate irritation

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Respiratory or skin sensitisation	Based on available data, the classification criteria are not met.
Sensitisation	No sensitizing effect known.
Repeated dose toxicity	No further relevant information available.
CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)	No further relevant information available.
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.
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.

12. Ecological information

12.1. Toxicity	
Aquatic toxicity:	No further relevant information available.
12.2. Persistence and degradability	
Other information:	Inorganic salts are basically not biodegradable. Easy elimination possible by flocculation or adsorption by sludge.
12.3. Bioaccumulative potential	Does not accumulate in organisms
12.4. Mobility in soil	
Ecotoxicological effects:	No further relevant information available.
Other information:	No AOX No VOC according to EC-directive 1999/13/EC
Additional ecological information:	
According to recipe contains the following heavy metals and compounds according to EC guideline NO. 76/464 EC:	None
12.5. Results of PBT and vPvB assessment	
PBT:	Not applicable.
vPvB:	Not applicable.
12.6. Other adverse effects	No further relevant information available.

13. Disposal considerations

13.1. Waste treatment methods	
Recommendation	Smaller quantities can be disposed with household garbage. Can be deposited with household garbage after consulting with the operator of the waste disposal facility and the pertinent authorities and under adherence to the necessary technical regulations.

European waste catalogue

06 03 14 solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13

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Uncleaned packaging:

Recommendation:

Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning. Packagings that cannot be cleaned are to be disposed of in the same manner as the product. Dispose of packaging according to regulations on the disposal of packagings.

Recommended cleaning agent:

Water, if necessary with cleaning agent.

14. Transport information

14.1. UN-Number

ADR, IMDG, IATA

Void

14.2. UN proper shipping name

ADR, IMDG, IATA

Void

14.3. Transport hazard class(es)

ADR, IMDG, IATA

Class

Void

14.4. Packing group

ADR, IMDG, IATA

Void

14.5. Environmental hazards:

Not applicable.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

Transport/Additional information:

Not dangerous according to the above regulations.

UN „Model Regulation“:

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15. Regulatory information *

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

National regulations

Other regulations, limitations and prohibitive regulations

The general dust exposure limit of 1.25 mg/m³, measured as alveolic part has to be observed (German TRGS 900, 2015).

15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

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16. Other information *

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Department issuing data specification sheet: Product Safety and Regulatory Affairs

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
Sources: source ECHA: European Chemicals Agency, <http://echa.europa.eu/>

* Data compared to the previous version altered.

The Revisions-No. 2.0 replace all safety data sheets of picodent dental gypsum with Revisions-No. 1.X.