

Safety Data Sheet

according to regulation (EU) No. 1907/2006

Printing date: 06/25/2016

picodent Anmischflüssigkeit

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

1.1 Information on the product

Trade name: picodent Anmischflüssigkeit

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 investment material liquid (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:

(07.30 am - 4.45 pm)

Telephone-No. +49 2267 6580-0
Telephone-No. +49 171 6126850

2. Hazards identification

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

Hazard pictograms Void
Signal word Void
Hazard statements Void

3. Composition/information on ingredients

3.2 Chemical characterisation: Mixtures

Description: Solution of colloidal silicic acid.
Dangerous components: Void
Additional information: No further relevant information available.

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4. First aid measures

4.1 Description of first aid measures

General information

After inhalation:

After skin contact:

After eye contact:

After swallowing:

No special measures required.

Supply fresh air; consult doctor in case of symptoms.

Wash with water and soap.

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

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

none

5.3 Advice for firefighters

Protective equipment:

No special measures required.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing.

6.2 Environmental precautions:

Do not allow concentrated solutions to enter drainage system, surface or ground water.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).

6.4 Reference to other sections

No dangerous materials are released.

7. Handling and storage

7.1 Precautions for safe handling

No special precautions necessary if used correctly. Keep containers tightly sealed.

Information about protection against Explosions and fires:

No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and containers:

No special requirements.

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Information about storage in one common storage facility:

Not required.

Further information about storage conditions:

Protect from frost.

Store in cool, dry conditions in well sealed containers.

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:

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 and skin.

Breathing equipment:

Not required.

Protection of hands:

Protective gloves:

In case of spray contact at least protection index 2 recommended, according to more than 30 min. penetration time (EN 374)

Layer thickness of gloves at least: 0.4 mm

In case of prolonged and intensive contact protection index 6 recommended, according to more than 480 min. penetration time (EN 374).

Layer thickness of gloves at least: 0.7 mm

Material of gloves

Butyl rubber, BR

Fluorocarbon rubber (Viton)

Nitrile rubber, NBR

Natural rubber, NR

Chloroprene rubber, CR

Neoprene gloves

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Not suitable are gloves made of the following materials:

Leather gloves

Eye protection:

Safety glasses (DIN 58211, EN 166)

Body protection:

Light weight protective clothing

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9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form: Fluid

Colour: White

Smell: Odourless

Odour threshold: not applicable

pH-value at 20 °C: 9 - 10 (100 %)

Change in condition

Melting point/Melting range: not determined

Boiling point/Boiling range: > 100 °C

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 determined

Density at 20 °C: 1.09 - 1.35 g/cm³

Evaporation rate: not determined

Solubility in / Miscibility with Water: Fully miscible

Partition coefficient (n-octanol/water): not determined

Viscosity:

dynamic at 20 °C: < 20 mPas

9.2 Other information

No further relevant information available.

10. Stability and reactivity

10.1 Reactivity

No hazardous reactions when stored and handled according to instructions.

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:

No further relevant information available.

10.6 Hazardous decomposition products:

No dangerous decomposition products known

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11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

LD/LC50 values that are relevant for classification:

Components		Type	Value	Species
Product (analogy)	LD50:	oral	> 2000 mg/kg	rat

Primary irritant effect:

Skin corrosion/irritation

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

Serious eye damage/irritation

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

Respiratory or skin sensitisation

No sensitizing effect known.

Sensitisation

No further relevant information available.

Repeated dose toxicity

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

No further relevant information available.

12.4 Mobility in soil

Ecotoxicological effects:

No further relevant information available.

Other information:

No COD, no BOD, 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

General notes:

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

12.5 Results of PBT and vPvB assessment

PBT:

Not applicable.

vPvB:

Not applicable.

12.6 Other adverse effects

No further relevant information available.

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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

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 Transport/Additional information:

Not applicable.
Not dangerous according to the above regulations.
Frost protected transport has to be guaranteed.

UN „Model Regulation“:

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15. Regulatory information

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

No further relevant information available.

15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

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)
IMDG:	International Maritime Code for Dangerous Goods
IATA:	International Air Transport Association
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
vPvB:	very Persistent and very Bioaccumulative

Sources: source ECHA: European Chemicals Agency, <http://echa.europa.eu/>

* Data compared to the previous version altered.