

Fixing Paste (Firing carrier paste) Art.95500

SECTION 1. Substance / preparation and company name

- 1.1 Produktidentifikator: *Fix Firing Paste (in Spritzen 12ml)*
- 1.2 Relevant identified uses of the substances or mixture and uses of which are not recommended: Application in dental technology
Type of application: Aids to produce dentures
- 1.3 Supplier / Company name: KARL BERG Dentalprodukte GmbH
Street: Industriestraße 3b
code: D-78234 Engen
E-Mail: sdb@yeti-dental.com
Information on the substance / preparation: Tel. 0 77 33 / 94 10-50 FAX 0 77 33 / 6434
- 1.4 emergency information: Tel. 0 77 33 / 94 10 0 (Mo. – Do. 8h – 16h30, Fr. 8h – 14h)
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SECTION 2. Possible dangers:

2.1. Classification of the substance or mixture Classification Regulation EC No.1272/2008

Not classified

Harmful physico-chemical effects on humans and the environment

No further information available

2.2 Label elements

Labelling (Regulation EC No 1272/2008)

No marking required

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of the REACH Regulation, Annex XIII
This substance/mixture does not meet the vPvB criteria of the REACH Regulation, Annex XIII

SECTION 3. Composition / information on components:**3.1. Ingredients**

Chem.Description	Product identifier	classification Regulation 1272/2008	concentration

AES wool (synthetic fibres, Erdalkalisilikat)	CAS No. 436083-99-7 EC No 650-016-00-2 20-25 % REACH 01-2119457644-32-00002	not classified	> 15%

3.2 Mixes

The mixture is classified as non-hazardous within the meaning of Regulation (EC) No 1272/2008

SECTION 4. First aid measures:**4.1 Description of first aid measures**

General information:	In all cases of doubt or if symptoms occur, immediately. Contact doctor.
After skin contact:	Mit plenty of water & soap washing. Change contaminated clothes. For allergies/Irritation doctor move in
After eye contact:	Rinse Einige minutes with water. Contactlensesremove. In case of irritation specialist - consult a doctor.
After inhalation:	An bring the fresh air and take rest position which the then. Breathing facilitates. In case of complaints, consult a doctor.
After swallowing:	rinse your mouth and drink plenty of water at night. Ka vomiting precipitate. Summoning a doctor

4.2 Important acute or delayed symptoms and effects

Symptoms No information available

Risks No information available.

4.3 Indications of emergency medical assistance or specialised treatment

Treatment Symptomatic Treatment

SECTION 5. Fire-fighting measures:

5.1 Suitable extinguishing agents:	Material is non-flammable. Deletion measures on the Vote environment. Do not use a full jet ofwater.
5.2 Special vessel:	non-flammable
5.3 Special protective equipment:	Required for fire protection equipment and respiratory protection.

Additional information: Gases/vapours/mists with water supply jets
knock down.

SECTION 6. Measures in case of unintentional release:

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|-----|------------------------------------|--|
| 6.1 | Personal precautions: | Do not inhale vapours/gas/smoke/aerosol. Contact with bangt, avoid eyes and clothes.
Extraction system. Personal protective equipment |
| 6.2 | Environmental protection measures: | do not enter sewerage and water bodies. |
| 6.3 | Procedure z. Restraint & Cleaning | Absorb impurities mechanically.
Fill into marked containers.
TRGS 200/201. Avoid dust formation. |
| 6.4 | For reference to other sections | personal protective equipment see section 8
Safe handling see section 7
Desorung see section 13 |

SECTION 7. Handling and storage:

- | | | |
|-----|--|--|
| 7.1 | Instructions for safe handling | Avoiding and not inhaling dusts.
Absaugen. Wear a protective mask.
Avoid contact with skin & eyes. Workplace u. other limit values (AGW) observe. |
| | Note on fire and explosion
Hygiene measures | No special protective measures required.
the usual precautions when handling chemicals
Measures must be observed. Store work clothes separately. |
| | Dust explosion class | no data available |
| 7.2 | Requirement for storage rooms | Dry premises. Sealed containers in front and container mechan. Protect damage. Only for eligible
Accessible to people. Bearing well ventilated. At critical
Insert points suction. |
| 7.3 | Specific end-use | Aids for the production of dentures. |

SECTION 8. Exposure limitation and personal protective equipment:

- 8.1 Parameters to be monitored
- 8.2 Limitation and monitoring of exposure



Suitable technical control devices

In the case of open handling, local suctions are too use. Do not inhale gas/smoke/steam/aerosols

Personal protective equipment:

Guard:	Gloves (Recommendation KCL Dermatril P-NBR)
eye protection:	Wear eye and face protection
Respiratory:	Respiratory protection din EN 143 –P2 or P3 Avoid dust formation at all costs. Vacuum on site.
Body protection:	Wear protective clothing
Hygiene measures:	Do not smoke, drink or consume food. After handling thoroughly wash hands and face
General information:	Not in surface waters or sewerage let pass.

SECTION 9. Physical and chemical properties:**9.1 Information on the basic physical and chemical properties**

state of matter	
colour:	light-grouh/whitish
smell:	odorless
pH:	n.b.
Melting point:	1.752°C
Boiling point/boiling region	n.b.
Flash point	n.b.
Flammability solid	n.b.
Flammability gas	not applicable
Explosion hazards	the product is not explosive
Lower explosion limit	n.b.
Upper explosion limit	n.b.
Spontaneous combustion solid	n.b.
Spontaneous combustion gas	not applicable
Zersetzungstemperatur	n.b.
Oxidizing properties	the product is not oxidizing
Vapour pressure (at 50°C)	<=1100 hPa

Density	2,5-2,72g./cm ³
Solubility in water:	the product is not water soluble
Solubility with other loess.	n.b.
Verteilungskoeffizient	n.b.
Dampfdichte	n.b.
Verdampfungsgeschwindigkeit	n.b.

9.2. Other information

Solids content	approx 50%
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SECTION 10. Stability and reactivity:

10.1	Reactivity	no special hazards
10.2	Chem. Stability	stable under normal conditions
10.3	Dangerous reactions	no known
10.4	To avoid	no
10.5	Incompatible materials	no information available
10.6	Dangerous decomposition prod.	No dangerous decomposition products known

SECTION 11. Information on toxicology:

Acute toxicity (oral)	not classified (Due to data criteria not met)
Acute toxicity (dermal)	not classified (Due to data criteria not met)
Acute toxicity (inhalative)	not classified (Due to data criteria not met)
Etching irritant effect on the skin	not classified (Due to the data criteria not met)
severe eye damage/irritation.	pH not applicable not classified (Due to data criteria not met)
Sensitization respiratory not	pH not applicable classified (Due to the data criteria not met)
Germ cell mutagenicity	not classified (Due to the data criteria not met)
Carcinogenicity	not classified (Due to the data criteria not met)
Reproductive toxicity	not classified (Due to the data criteria not met)
Single exposure toxicity	not classified (Based on the data criteria not met)
Repeated exposure toxicity	not classified (Based on data criteria not met)
Aspiration risk	not classified (not relevant)

Irritating properties

In the case of testing with recognised methods (Directive 67/548/EC, Annex V, method B4) The fibers contained in this material negative results. Artificially produced Mineral fibers can provoke a slight irritation, which causes itching or, in rare cases, in sensitive individuals to slight redness. Unlike others Irritating irritant reactions, this is not the result of an allergy or a Chemical skin damage, but is caused by a temporary mechanical Effect causes.

Other animal experiments

These materials have been developed to ensure rapid removal from lung tissue to enable. This short biopersistence has been studied in numerous studies on AES under Application of the EU protocol ECB/TM27 (Ver.7). When inhaled, even in high Doses, they do not accumulate in a degree of too severe harmful biological effects. In lifelong, chronic studies, no exposure-related effect shown, which would be stronger than that of any "inert" dust. Subchronic studies at the highest achievable doses led in the worst case to A transient, mild inflammatory reaction. Fibers with the same ability Persist in the tissues, do not produce any tumors, if you are in the abdominal cavity of Rats are injected.

SECTION 12. Environmental claims

12.1. Toxicity

The product is not ecotoxic

12.2 Persistence and degradability

The product has not been tested

12.3 Bioakkumulationspotenzial

The product has not been tested

12.4. Soil mobility

The product has not been tested

12.5 Results of PBT and vPvB assessment

The product does not meet the criteria

12.6 Other adverse effects

No information is available

Further information: Avoid release into the environment

SECTION 13. Instructions for disposal:

- 13.1 Waste treatment process: product does not enter sewerage or water let. Dispose of the product in accordance with local and legal regulations.
EAK-Code: 101103

SECTION 14. Transport information:

- 14.1 UN numbers No dangerous goods within the meaning of the transport regulations
14.2 UN shipping designation No dangerous goods within the meaning of the transport regulations
14.3 Transport hazard classes No dangerous goods within the meaning of the transport regulations
14.4 Packaging group No dangerous goods within the meaning of the transport regulations

Inland Shipping (ADN)

- 14.1 UN numbers No dangerous goods within the meaning of the transport regulations
14.2 UN shipping designation No dangerous goods within the meaning of the transport regulations
14.3 Transport hazard classes No dangerous goods within the meaning of the transport regulations
14.4 Packaging group No dangerous goods within the meaning of the transport regulations

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Pursuant to Directive 1907/2006

EC, Article 31

Sea Transport (IMDG)

- 14.1 UN numbers No dangerous goods within the meaning of the transport regulations
- 14.2 UN shipping designation No dangerous goods within the meaning of the transport regulations
- 14.3 Transport hazard classes No dangerous goods within the meaning of the transport regulations
- 14.4 Packaging group No dangerous goods within the meaning of the transport regulations

Air Transport (ICAO-TI/IATA-DGR)

- 14.1 UN numbers No dangerous goods within the meaning of the transport regulations
- 14.2 UN shipping designation No dangerous goods within the meaning of the transport regulations
- 14.3 Transport hazard classes No dangerous goods within the meaning of the transport regulations
- 14.4 Packaging group No dangerous goods within the meaning of the transport regulations
- 14.5 Environmental hazards The product is not hazardous to the environment
- 14.6 Take special care- No information is available
Measures for users
- 14.7 Bulk transport Annex II not applicable
of the MARPOL Convention
Und gem. IBC Code

SECTION 15. Legaltexts:

- 15.1 Safety, health and environmental protection/specific rules
Legislation on the substance or mixture

EU rules

Information on
SEVESO III Directive
2012/18/EU

is not subject to seveso III

National provisions

on employment restrictions under the youth arbeitsschutzverordnung, ArGV5 (SR822.115). Young people in basic vocational education and training may only:
with this product if this is provided for in the respective education regulation to achieve your training goal, if the requirements of the education plan are met and the applicable age restrictions are complied with. Young people who do not complete basic vocational training are not allowed to work with the product. Young people are employees of both sexes up to the age of 18. Employment restrictions after maternity leave observe the regulation (SR822.111.52) in case of pregnancy. Pregnant and nursing mothers are allowed to use this product only come into contact if due to a risk assessment acc. Art.63ArGV1 states that no concrete there is a burden on mother and child, or these are excluded by appropriate protective measures can ground.

- 15.2 Chemical safety assessment There is no chemical safety assessment available for the substance

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SECTION 16. Other informationn Abbreviations and acronyms

ADN	European Agreement concerning the international Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement on the Transport of Dangerous Goods by Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
ATE	Acute toxicity estimate.
BCF	Bio-Concentration factor
BimSchV	Ordinance on the Implementation of the Federal Immission Control Act
CAS	Chemical Abstracts Service
CLP	Classification, labelling and Packaging.
DGR	Dangerous Goods RegulationsDIN standard of the German Institute for Standardization
DNEL	Derived No Effect Level
DMEL	Derived Minimal Effect Level
EC50	Effective Concentration, 50%
EC	European Community
EN	European standard
EmS	Emergency Schedules
ErC50	Effective Concentration 50%, grow rate
EINECS	European Inventory of Existing of Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
GHS	Globally Harmonized System of Classification/ Labelling of Chemicals
IATA	International Air Transport Association
IBC code	International code for the construction and equipment of ships Transportation of dangerous chemicals in bulk
ICAO	International Civil Aviation Organization
IMDG	International Maritime Code for Dangerous Goods
ISO	Standard of International Standards Organization
IUCLID	International Uniform Chemical Information Database
LC50	Lethal Concentration, 50%
LD50	Lethal Dose, 50%
LL50	Lethal loading, 50%
EL50	Effect loading, 50%
Log Kow	distribution coefficient between octanol and water
MARPOL	Maritime Pollution Convention. Convention for the prevention of ship-Source
MFAG	Medical First Aid Guide
NOEC	No Observed Effect Concentration
OECD	Organization for Economic Cooperation and Development

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PBT	Persistent, biocumulative, toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation and Authorization of Chemicals
RID	Regulation concerning the International Carriage of Dangerous Goods by Rail
SVHC	Substance of Very High Concern
TRGS	Technical Rules for Hazardous Substances
UN	United Nations (United Nations)
VOC	Volatile Organic Compounds svPvB very persistent and very bioaccumulative

VwVwS Administrative regulation of substances hazardous to water
WGK water hazard class

Abbreviations: n.a.= not applicable
n.b.= not determined
n.z.= nichtzutreffend

The above information, which corresponds to the current state of our knowledge and experience, describes our product with regard to any safety requirements and for labelling in the sense of the applicable legislation; However, property assurances are not connected with this and do not establish a legal relationship. The information contains information on the safe handling, storage, handling and transport of the product and is not transferable to successor products in the event of any changes in properties.
Existing laws and regulations must be observed by the recipient of our products on his own responsibility.

(the data of the dangerous ingredients were taken over to the last valid SDS of the upstream supplier)