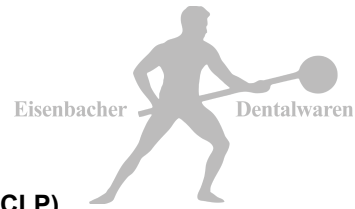




Safety data sheet INVESTMENT MATERIAL



KERA[®]-VEST / TENER[®]-VEST

in accordance with 1907/2006/EC, article 31 (REACH), 1272/2008/EC (CLP)

Effective as of: 06/2016

Version no.: 01

Replaces version no. 00 von 02/2007

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

1.1 Product identifier

Trade name: Kera[®]-Vest / Tener[®]-Vest

1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

Application of the substance / the mixture

Dental impression material
Auxiliary for dental technology
Processing aid

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Eisenbacher Dentalwaren ED GmbH
Dr.-Konrad-Wiegand-Straße 9
63939 Woerth am Main/ GERMANY
0 93 72 – 94 04 0
0 93 72 – 94 04 29

Information:

Klaus Renner
Tel.: 0 93 72 – 94 04 – 130 k.renner@eisenbacher.de

1.4 Emergency telephone number: Tel.: 0 93 72 – 94 04 – 130

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

STOT RE 2 H373 May cause damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS08

Signal word Warning

Hazard-determining components of labelling:

Quartz
cristobalite

Hazard statements

H373 May cause damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation.

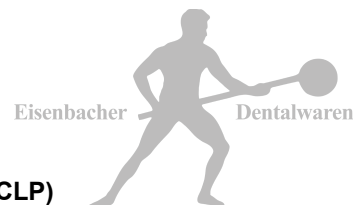
Precautionary statements

P260 Do not breathe dust.
P285 In case of inadequate ventilation wear respiratory protection.
P314 Get medical advice/attention if you feel unwell.

GB



Safety data sheet INVESTMENT MATERIAL



KERA®-VEST / TENER®-VEST

in accordance with 1907/2006/EC, article 31 (REACH), 1272/2008/EC (CLP)

Version no.: 01

Effective as of: 06/2016

Replaces version no. 00 von 02/2007

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures

. **Description:** Blend of quartz and cristobalite powder, ammonium phosphate and magnesium oxide.

. **Dangerous components:**

CAS: 14808-60-7	Quartz	50-100%
EINECS: 238-878-4	STOT RE 2, H373	
CAS: 14464-46-1	cristobalite	10-25%
EINECS: 238-455-4	STOT RE 2, H373	
CAS: 1309-48-4	magnesium oxide	2.5-10%
EINECS: 215-171-9	substance with a Community workplace exposure limit	

. **SVHC** No

. **Additional information** For the wording of the listed risk phrases refer to section 16.

SECTION 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.

The product is not skin irritating.

. **After eye contact** : 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.

SECTION 5: Firefighting 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.

. **For safety reasons unsuitable extinguishing agents** Water with a full water jet.

. **5.2 Special hazards arising from the substance or mixture**

Fire can cause release of :

Ammonia (NH₃)

Nitrogen oxides (NO_x)

. **5.3 Advice for firefighters**

. **Protective equipment:** Do not inhale explosion gases or combustion gases.

SECTION 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.

Dispose of contaminated material as waste according to section 13.

. **6.4 Reference to other sections:**

Information regarding safe handling, see section. 7

Information regarding personal protective equipment, see section. 8

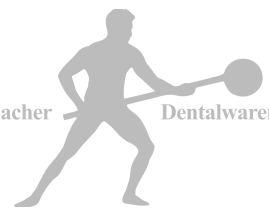
Information for disposal see section waste according to section 13.

GB



Safety data sheet INVESTMENT MATERIAL

Eisenbacher Dentalwaren



KERA®-VEST / TENER®-VEST

in accordance with 1907/2006/EC, article 31 (REACH), 1272/2008/EC (CLP)

Version no.: 01

Effective as of: 06/2016

Replaces version no. 00 von 02/2007

* SECTION 7: Handling and storage

. 7.1 Precautions for safe handling

Prevent formation of dust.

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.

. 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: Store in cool, dry conditions in well sealed containers.

. 7.3 Specific end use(s) No further relevant information available.

* SECTION 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:

1309-48-4 magnesium oxide

WEL (Great Britain) Long-term value: 10* 4** mg/m³

(as Mg) *inhalable dust **fume and respirable dust

. 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.

Do not inhale dust / smoke / mist.

Avoid contact with the eyes.

Vacuum clean contaminated clothing. Do not blow or brush off contamination.

. Breathing equipment:

Use breathing protection in case of insufficient ventilation.

Short term filter device: ABEK-filter (DIN EN 14 387)

Filter P2.

. Protection of hands: Not required.

. Material of gloves not applicable

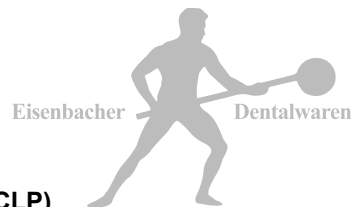
. Penetration time of glove material not applicable

. Eye protection: Safety glasses (DIN 58211, EN 166)

. Body protection: Light weight protective clothing



Safety data sheet INVESTMENT MATERIAL



KERA®-VEST / TENER®-VEST

in accordance with 1907/2006/EC, article 31 (REACH), 1272/2008/EC (CLP)

Version no.: 01

Effective as of: 06/2016

Replaces version no. 00 von 02/2007

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

Form: Solid

Colour: Whitish

Smell: Odourless

Odour threshold: not applicable

pH-value (10 g/l) at 20 °C: ca. 6 (Suspension)

Change in condition

Melting point/Melting range: > 1400 °C

Boiling point/Boiling range: not applicable

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

Upper: not applicable

Oxidising properties: none

Steam pressure: not applicable

Density at 20 °C: 1.15 g/cm³

Settled apparent density at 20 °C: 1100 - 1200 kg/m³

Evaporation rate: not applicable

Solubility in / Miscibility with

Water: Insoluble

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

Viscosity:

dynamic: not applicable

kinematic: not applicable

9.2 Other information: No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity: Stable at ambient temperature

10.2 Chemical stability

Thermal decomposition / conditions to be avoided: none

10.3 Possibility of hazardous reactions: No dangerous reactions known.

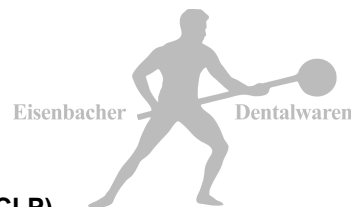
10.4 Conditions to avoid: No further relevant information available.

10.5 Incompatible materials: Alkali.

10.6 Hazardous decomposition products: At preheating temperature (250-300 °C) slight odour like ammonia.



Safety data sheet INVESTMENT MATERIAL



KERA®-VEST / TENER®-VEST

in accordance with 1907/2006/EC, article 31 (REACH), 1272/2008/EC (CLP)

Version no.: 01

Effective as of: 06/2016

Replaces version no. 00 von 02/2007

SECTION 11: Toxicological information

- . 11.1 Information on toxicological effects
- . Acute toxicity
- . Primary irritant effect:
- . Skin corrosion/irritation Based on available data, the classification criteria are not met.
- . Serious eye damage/irritation Moderate irritation
- . Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- . Subacute to chronic toxicity:
 - Do not breathe dust.
 - Harmful: possible risk of irreversible effects through inhalation.
- . 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
 - May cause damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation.
- . Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- . 12.1 Toxicity
- . Aquatic toxicity: No further relevant information available.
- . 12.2 Persistence and degradability No further relevant information available.
- . 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 No further relevant information available.
- . Ecotoxicological effects:
- . Other information:
 - No AOX
 - No VOC according to EC-directive 1999/13/EC
- . 12.5 Results of PBT and vPvB assessment
- . PBT: Not applicable.
- . vPvB: Not applicable.
- . 12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

- . 13.1 Waste treatment methods
- . Recommendation
 - Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
 - Must be specially treated in adherence to official regulations.
- . European waste catalogue
 - 16 03 03 inorganic wastes containing dangerous substances



Safety data sheet INVESTMENT MATERIAL



KERA®-VEST / TENER®-VEST

in accordance with 1907/2006/EC, article 31 (REACH), 1272/2008/EC (CLP)

Version no.: 01

Effective as of: 06/2016

Replaces version no. 00 von 02/2007

- . **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.

SECTION 14: Transport information

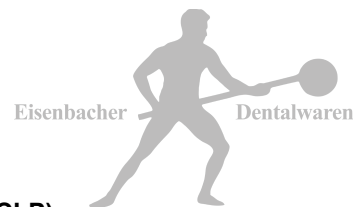
- . **14.1 UN-Number**
- . **ADR, IMDG, IATA** Void
- . **14.2 UN proper shipping name**
- . **ADR, IMDG, IATA** Void
- . **14.3 Transport hazard class(es)**
- . **ADR, IMDG, IATA**
- . **Class** Void
- . **14.4 Packing group**
- . **ADR, IMDG, IATA** Void
- . **14.5 Environmental hazards:** Not applicable.
- . **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":** -

SECTION 15: Regulatory information

- . **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- . **National regulations**
- . **Information about limitation of use:** Employment restrictions concerning young persons must be observed.
- . **Accident regulation:** Accident regulation, appendix: not named
- . **Water hazard class 1:** slightly hazardous for water (according to VwVwS of 27.07.2005)
- . **Other regulations, limitations and prohibitive regulations**
UVV "Protection against harmful mineral dust"(VBG 119) (German regulation)
BG RCI Instruction Sheet A 008 "Personal protective equipment"(German regulation)
The general dust exposure limit of 1.25 mg/m³, measured as alveolic part has to be observed (German TRGS 900, 2015).
- . **Substance listings:**
All ingredients listed in:
Europe (EINECS): yes
Australia (AICS): yes
Canada (DSL): yes
Japan (ENCS): yes
China (IECSC): yes
Korea (KECI): yes
USA (TSCA): yes
Philippines (PICCS): yes
- . **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.



Safety data sheet INVESTMENT MATERIAL



KERA®-VEST / TENER®-VEST in accordance with 1907/2006/EC, article 31 (REACH), 1272/2008/EC (CLP)

Version no.: 01

Effective as of: 06/2016

Replaces version no. 00 von 02/2007

* SECTION 16: Other information

The information is based on our present state of knowledge, they do not constitute a guarantee of product properties and do not establish a contractual relationship. However, Eisenbacher Dentalwaren ED GmbH does not assume any explicit or implicit guarantee or warranty as to the correctness, reliability or completeness of the information. Eisenbacher Dentalwaren ED GmbH advises any person receiving this information, not to use the product for any other use than the intended use described in section 1.2. The user is responsible for complying with all the necessary legal regulations.

The product must be used by qualified and trained dental technicians, who are aware of the correct use and can be held responsible in case of improper use.

. Relevant phrases

H373 May cause damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation.

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)

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2