



According to 1907/2006 EU, Art. 31

Zirkonblank Geo5

Article Numbers see appendix

Section 1. Substance/Preparation- and Company denomination

Commercial name:	K2 CAD CAM Zircon Blank (98,5) Geo5
Item-No.	- see Appendix
Usage of the substance:	Manufacture of scaffolding
Supplier:	YETI DENTALPRODUKTE GMBH Industriestr. 3, 78234 Engen, Germany
E-Mail:	sdb@yeti-dental.com
Product information:	Tel.: 0049 - 7733 / 9410-0 Fax.: 0049 - 7733 / 9410-22
Emergency contact:	Tel.: 0049 – 7733 / 9410-0 (Mo-Thu 8h-16h30, Fr 8h-14h)

Section 2. Hazards Identifications

By polishing/milling generate lungs irritating Oxide. Avoid inhalation of the dust. Aspiration installation required. The highest permissible concentration of dust according to standards is 1 mg/m³

Classification of the substance or mixture
Not classified according to Regulation (EC) No 1272/2008 (CLP)
The product is not classified according to the CLP regulation

Labeling elements
Labeling according to Regulation (EC) No.1272 / 2008 (CLP) is not required
Hazard pictograms not required
Signal not required
Safety instructions not required
Other hazards direct contact with abrasive dust can cause eye and skin irritation.
Observe safety precautions when using the substances

Section 3. Composition / Information on Ingredients

Chemical characterization: The product does not contain dangerous substances according to EN 10204- 2.
Description: Porous discs/blocs ZrO₂.

Product	CAS-No.	EC No.	Amount
Zirconia Ceramic	66402-68-4	266-340-9	

Section 4. First-Aid Measures

Primary routes of entry:	Eye and skin contact; ingestion; inhalation
Medical condition Aggravated by Exposure:	Eyes/skin hypersensitivity
Inhalation:	Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion:	Rinse mouth. Get medical attention if symptoms appear.
Skin Contact:	Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.
Eye Contact:	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if Irritation occurs.

Section 5. Fire-Fighting Measures

Appropriate extinction:	not applicable
Inappropriate extinction:	not applicable
Special danger:	not applicable
Special protection equipment:	not applicable

The material is not explosive and not inflammable in atmosphere.

Section 6. Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate area. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice.

6.2. Environmental precautions

Do not allow to enter drains or to be released to the environment.

6.3. Methods and material for containment and cleaning up

Collect as much of the spilled material as possible. Place in a closed container approved for transportation by appropriate authorities. Clean up residue. Seal the container. Dispose of collected material as soon as possible.

Section 7. Handling and Storage

Handling

Indications for safe handling: Prevent the formation of dust or aspirate it.

Storage

Storage conditions: Store in a dry place. Protect from sunlight.

Other storage requirements: not applied.

Section 8. Exposure Controls / Personal Protection

Technical protection measures:	Provide adequate ventilation. Use aspiration equipment.
Personal protection:	
Hand protection:	use gloves.
Eye protection:	use safety eye glasses.
Respiratory protection:	use protective mask.
Body protection:	use work coat.
Hygiene requirements:	do not smoke and do not eat. After handling, wash hands.

Section 9. Physical and Chemical Properties

Form: Solid/stable
Colour: white
Smell: neutral

	value	unit	method
Melting point			
Boiling point			
Flashpoint			
Ignition point			
Lower explosion level			
Upper explosion level			
Steam pressure			
Density			
Solubility	Insoluble		
Vickers hardness			
Coefficient of expansion			
Depositing temperature			
Yield point			
Elasticity			
Fracture strain			

Section 10. Stability and Reactivity

10.1. Reactivity

This material is considered to be non-reactive under normal use conditions.

10.2. Chemical stability

Stable

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

None.

Section 11. Toxicological Information

11.1. Information on toxicological effects

Signs and symptoms of exposure based on test data and / or component information may cause this material to have the following health effects:

Irritation of eyes and respiratory tract in contact with dust possible.

Inhalation:

Irritation of the respiratory tract: Signs / symptoms may include coughing, sneezing, nasal discharge, headache, hoarseness, nose and throat pain.

Skin contact:

Mechanical skin irritation: Signs / symptoms may include abrasion, redness, pain and itching.

Eye contact:

Mechanical eye irritation: Signs / symptoms may include pain, redness, tearing and corneal abrasion

ingestion:

May be harmful if swallowed.

Gastrointestinal irritation: Signs / symptoms may include abdominal pain, upset stomach, nausea, vomiting and diarrhea.

Toxicological data

If a component is disclosed in Section 3 but not listed in the following table, either no data is available for that endpoint, or the data is insufficient for classification.

acute toxicity

Name	Application	Species	Value
Total product	intake		No data available; calculated ATE 2,000 - 5,000 mg / kg
Zircon Ceramic	Dermal		LD50 is estimated to be > 5,000 mg / kg
Zircon Ceramic	intake		LD50 is estimated at 2,000 - 5,000 mg / kg

ATE = acute toxicity estimate

Skin corrosion / irritation

Name	Species	Value
Zircon Ceramic	Bunny	no significant irritation

Serious eye damage / irritation

Name	Species	Value
Zircon Ceramic	Bunny	mildly irritating

Sensitization of the skin

For the component (s), either no data is currently available or the data is insufficient for classification.

Sensitization of the respiratory tract

For the component (s), either no data is currently available or the data is insufficient for classification.

Germ cell mutagenicity

Name	Route	Value
Zircon Ceramic	in Vitro	There are some positive dates, but they are not Classification suffice

Carcinogenicity

Name	Route	Species	Value
Zircon Ceramic	Inhalation	several animal species	There are some positive data, however Not sufficient for classification

Reproductive toxicity**Reproduction and / or development effects**

For the component (s), either no data is currently available or the data is insufficient for classification.

Target organs**Specific target organ toxicity - single exposure**

For the component (s), either no data is currently available or the data is insufficient for classification.

Specific target organ toxicity - repeated exposure

Name	Route	Target Organs	Value	Species	Test/Result	Exposure/Duration
Zircon Ceramic	Inhalation	pulmonary fibrosis	positive data, not enough for classification	several animals	NOAEL, not available	
Zircon Ceramic	Inhalation	pulmonary fibrosis	positive data, not sufficiently for classification	human	NOAEL, not available	non-professional, exposure

For the component (s), either no data is currently available or the data is insufficient for classification

Section 12. Ecological Information

If use properly, there are not environmental problems expected. Do not empty into surface water, groundwater or drains.

Ecotoxicity:	No Data Available
Mobility:	No Data Available
Persistence / degradability:	No Data Available
Bioaccumulation potential:	No Data Available
Other adverse effects:	No

Section 13. Indication for waste disposal

Dispose of contents/ container in accordance with the local/regional/national/international regulations.

Dispose of waste product in a permitted industrial waste facility. If the left-over product is sent properly identified and well packaged to the manufacturer, it is suitable to be recycled.

Section 14. Transport

It is not a dangerous good for transportation. It is not subject of any regulation.

Section 15. Prescriptions

	Identification number according to EU standards
Danger symbol	Not applicable
Danger label	Not applicable
Dangerous constituting components:	
R-Statement	R36, R37, R38
S-Statement	S26, S36
H-Statement	H315, H319, H335
P-Statement	P201, P261, P232, P302+P352+P313, P337+P313, P402, P410, P501
National regulation	
Water dangerous category	Not applicable

Section 16. Other Information

The statements of this Safety Data Sheet correspond to our knowledge and experience. The safety data sheet serves to describe the products by taking into consideration requirements for safety security. These indications do not guarantee the characteristics of the products.

Section 15. Informations réglementaires

- 15.1 IDENTIFICATION DES DIRECTIVES CE Observer les mesures préventives usuelles en cas d'utilisation de produits chimiques. Le produit n'est pas soumis à l'étiquetage prescrit par les directives CE.
- 15.2 PHRASES S (Conseils de prudence) S29: Ne pas laisser pénétrer dans les canalisations
- 15.3 DISPOSITIONS NATIONALES Classe de danger pour l'eau non définie

Section 16. Autres Indications

Aucune indication complémentaire.

Les données mentionnées ci-dessus correspondent à l'état actuel de nos connaissances et de notre expérience.

La fiche de données de sécurité sert à décrire les produits en tenant

Artikel, Article, (98,5mm, Weiss, white, blanc)

Art.	396-9014	396-9016
	396-9018	396-9020
	396-9114	396-9116
	396-9118	396-9120
	396-9214	396-9216
	396-9218	396-9220
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