



According to 1907/2006/EG,
Article 31

Revision: 19.01.2016

Version: 6.0

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Whiting

1. Identification of the substance / Preparation and Company:

1.1	Product identifier Tradenname:	Whiting
1.2	Relevant identified uses of the substance or mixture and uses advised against: Application of the substance / the preparation: Uses advised against:	- Polishing material -
1.3	Details of the supplier of the safety data sheet Manufacturer/Supplier: Street / mailbox: Country code. / postal code / city: Phone: Fax: E-mail / Website: Further information obtainable from:	ERNST HINRICHS Dental GmbH Borsigstr. 1 D - 38644 Goslar 0 53 21 / 5 06 24 0 53 21 / 5 08 81 info@hinrichs-dental.de / www.hinrichs-dental.de ERNST HINRICHS Dental GmbH
1.4	Emergency telephone number ERNST HINRICHS Dental GmbH:	+49 (0) 53 21 / 5 06 24 - 25 (Mon-Fri. 8 a.m. – 4 p.m.)

2. Hazards Identification:

2.1	Classification of the substance or mixture: Classification according to Regulation (EC) No. 1272/2008: Classification according to Directive 1999/45/EC: Information concerning particular hazards for human and environment:	The substance is not classified according to the CLP regulation. Not applicable. No hazards to be particularly mentioned. Please note the information of this Material Safety Data Sheet.
2.2	Label elements: Labelling according to regulation (EC) No. 1272/2008: Hazard pictograms: Signal word:	Void. Void. Void.
2.3	Other hazards: Results of PBT and vPvB: PBT: vPvB:	- Substance characteristics do not meet screening criteria. Substance characteristics do not meet screening criteria.

3. Composition / Information on Ingredients:

3.1	Chemical characterization: CAS-No. Description: Identification number(s): EINECS Number:	Substances. 1317-65-3 calcium carbonate 215-279-6
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4. First aid measures:

4.1	General information: After inhalation: After skin contact: After eye contact: After swallowing:	If symptoms persist or in case of doubt, seek medical advice. Supply fresh air; consult a doctor in case of pain. Wash with water and soap. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor. Rinse mouth with water. Give some milk. If systems occur after swallowing larger quantities, consult a doctor.
4.2	Information for doctor: Most important symptoms and effects, both acute and delayed:	Reddened skin. Irritation of eyes and mucous membrane.



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

5. Fire Fighting measures:

5.1 Extinguishing media:
Suitable extinguishing agents: The product is not combustible and does not support the combustion. Use firefighting measures suiting the environment.
For safety reasons unsuitable extinguishing media: No data available.

5.2 Special hazards arising from the substance or mixture: No specific hazards known.

5.3 Advice for fire-fighters
Protective equipment: Wear self-contained respiratory protective device.

6. Accidental release measures:

6.1 Personal precautions, protective equipment, and emergency procedures: Ensure adequate ventilation.
Avoid formation of dust.
Use respiratory protective device against the effects of fumes / dust / aerosol.
Wear protective clothing.

6.2 Environmental precautions: No special measures required.

6.3 Methods and material for containment and cleaning up: Pick-up mechanically.
Make sure to recycle or dispose of in suitable receptacles.

6.4 Reference to other sections: See section 8 for information on personal protection equipment.

7. Handling and Storage:

7.1 Handling:
Precautions for safe handling: Ensure good ventilation / exhaustion at the workplace.
Prevent formation of dust.
Avoid contact with eyes and skin.
Avoid inhalation of dust.
No special measures required.

Information about fire- and explosion protection:

7.2 Storage:
Requirements to be met by storerooms and receptacles: Not required.
Information about storing in one common storage facility: Store away from acids.
Further information about storage conditions: Store under dry conditions.

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 limit values that require monitoring at the workplace: Not required.

CAS No.	Designation of material	%	Type	Value	Unit
	Additional Occupational Exposure Limit Values for possible hazards during processing:				Observe general threshold limit for dust.

Additional information: The lists last were valid during the creation were used as basis.



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8.2	Exposure controls: Personal protective equipment: General protective and hygienic measures:	The usual precautionary measures should be adhered to when handling chemicals. Wash hands before breaks and the end of work. Do not inhale dust / smoke / mist. Avoid close or long term contact with the skin. Avoid contact with the eyes. Ensure that washing facilities are available at the work place. Do not eat or drink while working. Vacuum contaminated clothing. Do not blow or brush off contamination. Use protective skin cream.
	Breathing equipment:	Use a suitable respiratory protective device in case of insufficient ventilation. Short term filter device: Filter P1 Filter P3 Filter P2.
	Protection of hands:	Protective gloves or protective skin cream. To avoid skin problems reduce the wearing of gloves to the required minimum. Prior to contact with the water-insoluble substance / product / preparation apply water-soluble skin-protecting agent (fat-free film former or O/W-emulsions). After use of gloves apply skin-cleaning agents and skin cosmetics.
	Material of gloves:	Adjust selection of glove material to the other substances used.
	Penetration time of glove material:	The exact penetration time has to be found out by the manufacturer of the protective gloves and has to be observed.
	Eye protection:	At formation of dust or insufficient ventilation: Tightly sealed goggles.
	Body protection:	Protective work clothing.

9. Physical and chemical properties:

9.1	General information: Form: Colour: Odour: Odour threshold: pH-value at 20°C:	Particulate powder White odourless Not applicable. 8-10 (DIN/ISO787/9)
9.2	Change in condition: Melting point / melting range: Boiling point / Boiling range: Flash point: Flammability (solid/gaseous): Ignition temperature: Decomposition temperature: Self-ignition temperature: Danger of explosion: Explosion limits: Lower: Upper:	Not determined. Not determined. Not applicable. Product is not flammable. Not determined. 900°C Not determined. Product does not present an explosion hazard. Not applicable. Not applicable.



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Oxidising properties:	Not determined.
Vapour pressure:	Not determined.
Density at 20°C:	2,7 g/cm ³
Relative density:	Not determined.
Vapour density:	Not applicable.
Evaporation rate:	Not applicable,
Solubility in / miscibility with water:	16 mg/l (ISO787/8)
Partition coefficient (n-octanol/water):	Not applicable.
Viscosity:	
dynamic:	Not applicable.
kinematic:	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 and stored according to specifications. To avoid thermal decomposition do not overheat.
Decomposition will begin at:	900°C forming CaO and CO ₂ .
10.3 Possibility of hazardous reactions:	Reacts violently with acids forming carbon dioxide.
10.4 Conditions to avoid:	No further relevant information available.
10.5 Incompatible materials:	Acids.
10.6 Hazardous decomposition products:	May react with acids by forming carbon dioxide which displaces oxygen (danger of asphyxiation).

11. Toxicological Information:

11.1 Acute toxicity: LD/LC50 values relevant for classification:	1317-65-3 Calcium carbonate: oral LD ₅₀ > 5000 mg/kg (rat).
Primary irritant effect:	
On the skin:	No irritating effect; however, long or repeated mechanical contact may lead to redness and slight irritation.
On the eye:	Eye irritation is possible after mechanical influence (dust).
Sensitisation:	No sensitising effects known.
Other information (about experimental toxicology):	
Carcinogenic, mutagenic effects and adverse effects on reproduction:	Presently available data show no carcinogenic, mutagenic or teratogenic effects.
Subacute to chronic toxicity:	
STOT-single exposure:	No data available.
STOT-repeated exposure:	No data available.
Aspiration hazard:	Not relevant.
Additional toxicological information:	When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

12. Ecological Information:

12.1 Toxicity	
Aquatic Toxicity:	
1317-65-3 Calcium carbonate.	
LC50	48h
LC50	72h
LC50	96h
	> 1.000 mg/l (daphnia magna)
	> 200 mg/l (algae)
	> 10.000 mg/l (fish)
12.2 Persistence and degradability:	No further relevant information available.



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<p>Other information:</p> <p>12.3 Bioaccumulative potential:</p> <p>12.4 Mobility in soil:</p> <p>Ecotoxicological effects:</p> <p>Remark:</p> <p>Additional ecological information:</p> <p>General notes:</p> <p>12.5 Results of PBT and vPvB assessment:</p> <p>PBT:</p> <p>vPvB:</p> <p>12.6 Other adverse effects:</p>	<p>Inorganic substance, not biodegradable.</p> <p>No further relevant information available.</p> <p>No further relevant information available.</p> <p>Calcium carbonate in solid and dissolved state is a natural component of the geosphere. Adverse effects on the environment are not to be expected. However, concentrated slurries of calcium carbonate may have adverse effects on aquatic organisms (disturbance of micro-flora and micro-fauna) when entering natural surface water.</p> <p>Not hazardous to water according to VwVwS (German regulation) appendix 1 dated 27.05.2005.</p> <p>Substance characteristics do not meet screening criteria.</p> <p>Substance characteristics do not meet screening criteria.</p> <p>No further relevant information available.</p>
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13. Disposal Considerations:

<p>13.1 Waste treatment methods: Recommendation:</p> <p>13.2 Uncleaned packaging – Recommendation:</p>	<p>Disposal according to instructions of local authorities.</p> <p>Disposal must be made according to official regulations.</p>
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14. Transport Information:

<p>14.1 UN-Number ADR, AND, IMDG, IATA:</p> <p>14.2 UN proper shipping name ADR, AND, IMDG, IATA:</p> <p>14.3 Transport hazard class(es) ADR, AND, IMDG, IATA: Class:</p> <p>14.4 Packing group ADR, IMDG, IATA:</p> <p>14.5 Environmental hazards Marine pollutant:</p> <p>14.6 Special precautions for user:</p> <p>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: UN "Model Regulation":</p>	<p>Void.</p> <p>Void.</p> <p>Void.</p> <p>Void.</p> <p>Void.</p> <p>No.</p> <p>Not applicable.</p> <p>Not applicable.</p>
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15. Regulatory Information:

<p>15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture National regulations: Water hazard class: Ident number:</p> <p>15.2 Chemical safety assessment:</p>	<p>Not hazardous for water.</p> <p>317</p> <p>A Chemical Safety Assessment has not been carried out.</p>
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16. Further Information:

<p>16.1 Reasons for amendments: General revision.</p>	<p>This information is based on our present knowledge. However this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.</p>
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16.2 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).
RID:	Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail).
IMDG:	International Maritime Code for Dangerous Goods.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulations by the "International Air Transport Association".
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization".
GHS:	Globally Harmonized System of Classification and Labelling of Chemicals.
LC50:	Lethal concentration, 50 percent.
LD50:	Lethal dose, 50 percent.