



According to 1907/2006/EG,

Article 31

Date of issue: 28.01.2011

Printing date: 14.09.11

Whiting

1. Identification of the substance / Preparation and Company:

Identification of the substance or preparation:

Commercial product name: Whiting - Polishing

Company / Manufacturer: ERNST HINRICHS GmbH
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2. Composition / Information on Ingredients:

2.1 Chemical characterization: Substances.

2.2 CAS-No. Description: 1317-65-3

2.3 Identification number(s): 215-279-6

EINECS Number:

3. Hazards Identification:

3.1 Classification of the substance or mixture:

Classification according to Regulation (EC) No. 1272/2008: The substance is not classified according to the CLP regulation.

Classification according to Directive 1999/45/EC: Not applicable.

Information concerning particular hazards for human and environment: No hazards to be particularly mentioned.
Please note the information of this Material Safety Data Sheet.
According to current European laws and regulations the product is not dangerous or toxic material (based on the available data).

3.2 Label elements:

Labelling according to regulation (EC) No. 1272/2008: Not applicable.

Hazard pictograms: Not applicable.

Other hazards: -

3.3 Results of PBT and vPvB:

PBT: Substance characteristics do not meet screening criteria.

vPvB: Substance characteristics do not meet screening criteria.

4. First aid measures:

4.1 General information: If symptoms persist or in case of doubt, seek medical advice.

4.2 After inhalation: Supply fresh air; consult a doctor in case of pain.

4.3 After skin contact: Wash with water and soap.

4.4 After eye contact: Rinse opened eye for several minutes under running water.

4.5 After swallowing: Rinse mouth with water.

Give some milk.

If occur or after swallowing larger quantities, consult a doctor.

4.6 Information for doctor:

Most important symptoms and effects, both acute and delayed: Redness of the skin.
Irritation of eyes and mucous membrane.

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

5. Fire Fighting measures:

5.1 Suitable extinguishing agents: The product is not combustible and does not support the combustion. Use fire fighting measures suiting the environment.

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

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

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.
Dispose contaminated material as waste according to section 13.
- 6.4 Reference to other sections: See section 8 for information on personal protection equipment.
See section 13 for disposal information.

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 requirements.
- 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: Do not store together with acids.
Further information about storage conditions: Store in dry containers.

8. Exposure controls / Personal protection:

- Additional information about design of technical facilities: No further data; see item 7.
- 8.1 Control parameters:
Components with limit values that require monitoring at the workplace: Not required.
Additional Occupational Exposure Limit Values for possible hazards during processing: Observe general threshold limit for dust.
Additional information: The lists were valid during the creation were used as basis.
- 8.2 Exposure controls:
Personal protective equipment: The usual precautionary measures should be adhered to when handling chemicals.
General protective and hygienic measures: 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 clean contaminated clothing. Do not blow or brush off contamination.
Use protective skin cream.

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Breathing equipment:	Use a suitable respiratory protective device in case of insufficient ventilation. Short term filter device: Filter P1 Filter P2 Filter P3.
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 break through 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:	Particulate powder
Colour:	Grey Beige White
Odour:	odourless
pH-value at 20°C:	8-10 (DIN/ISO787/9)
9.2 Change in condition:	
Melting point / melting range:	-
Boiling point / Boiling range:	-
Flash point:	Not applicable.
Flammability (solid/gaseous):	Product is not flammable.
Ignition temperature:	-
Decomposition temperature:	900°C
Danger of explosion:	Product does not present an explosion hazard.
Density at 20°C:	2,7 g/cm ³
Solubility in / miscibility with water:	16 mg/l (ISO787/8)

10. Stability and Reactivity:

10.1 Thermal decomposition / conditions to be avoided:	No decomposition if used and stored according to specifications. To avoid thermal decomposition do not overheat.
10.2 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 Incompatible materials:	Acids.
10.5 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 LD50 > 5000 mg/kg (rat).
11.2 Primary irritant effect: On the skin:	No irritation, but slight irritation r redness is possible after long or repeatedly mechanical contact.

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On the eye:	Eye irritation is possible after mechanical influence (dust).
Sensitization:	No sensitizing effects known.
11.3 Subacute to chronic toxicity:	
STOT-single exposure:	No data available.
STOT-repeated exposure:	No data available.
Aspiration hazard:	Not relevant.
11.4 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. The substance is not subject to classification according to the latest version of the EU lists.

12. Ecological Information:

12.1 Toxicity	
Aquatic Toxicity:	
1317-65-3 Calcium carbonate.	
LC50	48h
LC50	72h
LC50	96h
Persistence and degradability:	
Other information:	Inorganic substance, not biodegradability.
12.2 Ecotoxicological effects:	
Remark:	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.
Additional ecological information:	
General notes:	Not hazardous to water according to VwVwS (German regulation) appendix 1 dated 27.05.2005.
12.3 Results of PBT and vPvB assessment:	
PBT:	Substance characteristics do not meet screening criteria.
vPvB:	Substance characteristics do not meet screening criteria.

13. Disposal Considerations:

13.1 Waste treatment methods:	Disposal according to instructions of local authorities.
Recommendation:	
13.2 Uncleaned packaging –	Disposal must be made according to official regulations.
Recommendation:	

14. Transport Information:

14.1 Land transport ADR/RID (cross-border)	
ADR/RID class:	No hazardous good according to the regulation.
14.2 Maritime transport IMDG:	
IMDG Class:	No hazardous good according to the regulation.
14.3 Air transport ICAO-TI and IATA-DGR:	
ICAO/IATA-Class:	3
UN „Model Regulation“: -	
Special precautions: Not applicable.	

15. Regulatory Information:

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

15.3 Water hazard class: Not hazardous for water.

15.4 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16. Further Information:

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.

16.1 Reasons for amendments:

Regulation (EC) No. 1272/2008/CLP

EC Regulation 453/2010

General revision.

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.