

Safety Data Sheet (EC) No. 1907/2006

1. Product- and Company Identification

<u>Trade name:</u>	DC Alginat Color, art. No. 701080 & 701083
<u>Manufacturer:</u>	DC Dental Central Großhandelsges. mbH Carl-Zeiss-Str.2 D-22946 Trittau, Germany
<u>Further information obtainable from:</u>	Tel.: +49 (0)4154/8437 0 Fax: +49 (0)4154/8437 33
<u>Information in case of emergency:</u>	Same as above.

2. Composition/information on ingredients

Chemical characterization
Description: alginate powder.
Hazardous Ingredients:
Void.

3. Hazards identification

<u>Hazard description:</u>
Void.
<u>Information concerning particular hazards for human and environment:</u>
Void.
<u>Classification system:</u>
The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

4. First aid measures

<u>General information:</u>	No special measures required.
<u>After inhalation:</u>	Supply fresh air, consult doctor in case of symptoms.
<u>After skin contact:</u>	Wash with water and soap. The product is not skin irritating.
<u>After eye contact:</u>	Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
<u>After swallowing:</u>	Rinse out mouth and then drink plenty of water (approx. 500 ml). In case of persistent symptoms consult doctor.

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5. Fire-fighting measures

Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray.

Special hazards caused by the material, its products of combustion or flue gases:

Fire can cause release of : Carbon monoxide (CO)

Special protective equipment for fire fighting:

Put on breathing apparatus.

Additional information:

Cool endangered containers with water spray jet.

6. Accidental release measures

Person-related safety precautions:

Avoid causing dust. Wear protective equipment.

Environmental-protection measures:

Do not allow concentrated solutions to drainage systems, surface or ground water.

Measures for cleaning / collecting:

Collect mechanically.

Additional information:

No dangerous materials are released.

Keep storage temperature <+25° C.

7. Handling and storage

Handling:

Information for safe handling:

Prevent formation of dust. Provide suction extractors if dust is formed.

Information about fire - and explosion protection:

Keep away from ignition sources - Do not smoke. Protect against electrostatic charges. Protect from heat. Organic substances in general are susceptible to dust explosion.

Storage:

Requirements to be met by storerooms and receptacles:

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.

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8. Exposure controls/personal protection

Additional information about design of technical facilities:

No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace:

Not required.

General dust exposure limit, measured as alveoli part.

German TRGS 900 (2006) 3 mg/m³

Additional information:

The lists valid during the making were used as basis.

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. Avoid contact with the eyes.

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

Respiratory protection: Not necessary if room is well-ventilated. Use breathing protection in case of insufficient ventilation. Dust mask according to DIN EN 140 (FFP1 or FFP2)

Hand protection: Not required.

Body protection: Light weight protective clothing.

9. Physical and chemical properties

Form: Powder

Colour: White

Odour: Characteristic

Melting Point Void.

Boiling Point Void.

Flash point: Not applicable

Ignition temperaure: Not determined.

Decomposition temperature: Not determined.

Danger of explosion: Product is not explosive. However, formation of explosive dust-/ air mixtures is possible.

Settled apparent density at 20° C: 440 kg/m³

Solubility in water: Insoluble

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10. Stability and reactivity

<u>Conditions to be avoided:</u>	No decomposition if used according to specifications.
<u>Dangerous reactions</u>	No dangerous reactions known.
<u>Dangerous decomposition products:</u>	No dangerous decomposition products known.

11. Toxicological information

<u>Primary irritant effect on the skin:</u>	No irritant effect.
<u>Primary irritant effect on the eye:</u>	Moderate irritation.
<u>Sensitisation:</u>	No sensitizing effects known.
<u>Additional toxicological information:</u>	The product is not subject to classification according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version. In our experience and according to the information provided to us, the product does not have any harmful effects when used and handled according to specification.

12. Ecological information

Information about elimination (persistence and degradability):
<u>Other information:</u> Easily elimination possible by flocculation or adsorption by sludge.
Ecotoxicological effects:
<u>Other information:</u> No AOX.
Additional ecological information:
<u>According to recipe contains the following heavy metals and compounds according to EC guideline No. 76/464/EC:</u> None.
<u>General notes:</u> Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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13. Disposal considerations

Product:Recommendation:

Smaller quantities can be disposed with household garbage. Can be burnt with household garbage after consulting with the operator of the waste disposal facility and the pertinent authorities and under adherence to the necessary technical regulations.

European waste catalogue:

16 03 06 organic wastes other than those mentioned in 16 03 05

Uncleaned packaging:Recommendation:

Dispose of packaging according to regulations on the disposal of packagings. 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 cleansing agents:

Water, if necessary together with cleansing agents.

14. Transport information

Transport/Additional information:

Not dangerous according to the above regulations.

Keep temperature during transport <+25° C.

15. Regulatory information

Designation according to EC guidelines:

The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials (GefStoffV). Observe the normal safety regulations when handling chemicals

Water hazard class:

WGK 1 : low water hazard risk (German regulation)

Other regulations, limitations and prohibitive regulations:

ZH 1/134 "Breathing protection instructions" (German regulation)

The general dust exposure limit of 3 mg/m³, measured as alveolic part has to be observed (German TRGS 900, 2006).

German regulation: VDI 2263 "Dust fires and dust explosions; dangers, evaluatio, protective measures"

16. Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.