

# Safety Data Sheet

According to 91/155 EWG (2001/58/EG)

## 1. Identification of substance and company

Trade name: **Adenta Superhard plaster Type IV**  
Manufacturer: Adentatec GmbH  
Street: Ringstr. 38-44  
ZIP/city/Country: 50996 Köln / GERMANY  
Phone: +49 221 – 35 96 100  
Fax: +49 221 – 35 96 170  
Information department: +49 221 – 35 96 100  
E-mail: info@adentatec.com  
Homepage : www.adentatec.com

## 2. Composition/Data on components

Chemical characterization:	CAS-Nr.	Name
- Identification number(n)	10034-76-1	Caliumsulfat-Hemihydrath
- EINECS:	231-900-3	

## 3. Hazards identification

Hazard designation: void  
Information pertaining to particular dangers for man and environment: void  
Classification system: The classification is in line with the current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

## 4. First aid measures

General information: No special measures required  
After inhaling: Ensure supply of fresh air  
After skin contact: Wash off with warm water  
After eye contact: Rinse thoroughly with plenty of water  
After swallowing: Rinse out mouth and give plenty of water to drink. In case of continuous disorders, a doctor should be consulted

## 5. Fire fighting measures

General information: Adapt fire extinguishing methods to site. Product itself is non-combustible. Fire extinguishing method of surrounding areas must be discussed, water spray jet, carbon dioxide, dry powder, foam.  
Special exposure hazards arising from the substance or preparation itself, its combustion products or from resulting gases: Sulphur trioxide (SO<sub>3</sub>)  
Protective equipment: No special measures required.

## 6. Accidental release measures

Person-related safety precautions: Avoid dust formation. Use personal protective clothing  
Measures for environmental protection: No special measures required  
Measures for cleaning/collecting: Vacuum with suitable HEPA filter or moisten with water and pick up mechanically.  
Additional information: Find information for personal protective equipment in chapter 8

## 7. Handling and storage

Information for safe handling: Provide exhaust ventilation if dust is formed  
Information about protection against explosions and fires: The product is not combustible  
Storage and container: No special measures required  
Information about storage in one common storage facility: Not required  
information about storage conditions: Keep container tightly closed  
Storage category: VbF-class: void

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## 8. Exposure controls and personal protection

Components with critical values that require monitoring at the workplace:

CAS-No.	Ingredients	%	Sort	Value	Unit
10034-76-1	Ca SO <sub>4</sub> (Calziumsulfat) x 0,5 H <sub>2</sub> O	Ca. 90	MAK	6	Mg/m <sup>3</sup>

Additional information: The lists that were valid during the compilation were used as basis

Personal protective equipment:  
General protective and hygienic measures: The usual caution measures while dealing with chemicals have to be observed.

Breathing equipment: Filter device – Filter P1 (DIN 3181)

Protection for hands: None

Eye protection: Safety glasses (DIN 58211)

## 9. Physical and chemical properties

Form: powder

Colour – product specification: Beige, grey, yellow, graphite

Smell: odourless

Change in condition:

Melting point/Melting range (Solidus/Liquidus):: >1.400 °C

Boiling point/Boiling range: Not applicable

Density at 20 °C: 2,7 g/cm<sup>3</sup>

Bulk density at 20 °C: 1.100 – 1.200 kg/m<sup>3</sup>

Viscosity: Not applicable

Solubility in water at 20 °C: 2 g/l

pH-Value(10 g/l) at 20 °C: 6 - 7

Flash point: Not applicable

Danger of explosion: Product is not explosive

## 10. Stability and reactivity

Conditions to avoid: No decomposition if used and stored according to specifications

Dangerous reactions: No dangerous reactions known

Dangerous products of composition: Sulphur trioxide (SO<sub>3</sub>) (temperatures > 1000 °C)

## 11. Toxicological information

Acute toxicity:

Primary irritant effect

- on the skin: No irritant effect

- on the eye: Slight irritant effect

Sensitization: No sensitization effect known

Additional toxicological information: When handled appropriately, no adverse health effects are known. The product is not subject to classification according to the calculation method of the General ED Classification Guidelines for Preparations as issued in the latest version.

## 12. Ecological information

General notes: Inorganic salts are not biodegradable.  
Evaluation: good to eliminate  
Elimination by flocculation or absorption on sludge.

Ecotoxic remarks:

Additional information: No AOX

Other ecological information:

Includes according to recipe the following heavy metals and connections of EG-guidelines No. 74/464 EWG:: None

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## 13. Disposal considerations

Recommendation: Smaller quantities can be disposed with household garbage.

European waste catalogue: 06 03 14 solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13.

Uncleaned packagings: The packaging has to be disposed according to the official regulations.

## 14. Transport information

Transport/ other information: Not classified as dangerous in the meaning of transport regulations

## 15. Regulatory information

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

National regulations: void

General Classification Guideline for Preparations of the EC (BetrSichV):: void

Water hazard class: Water hazard class 1 (calculated according to VwVwS): slightly hazardous for water

Other regulations, restrictions and prohibition regulations: The general dust exposure limit of 1,5 g/m<sup>3</sup> measured as alveolic part has to be observed (German MAK-Value 1997, TRGS 900)  
ZH 1/134 „Atenschutzmerkblatt“ (German regulation)  
ZH 1/105 „Schutzkleidung-Merkblatt“ (German regulation)

## 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.