

Safety Data Sheet -Dental Plaster- According to EG 1907/2006 (REACH)

Versions-No.: 02

Valid from: 12/2021
Replaces version No. 01 from 06/2016

1. Identification of substance and company	
1.1 Trade name:	Adenta Artikulationsgips Adenta Hartgips Typ III Adenta Sockelgips Adenta Superhartgips Typ IV Adenta Superhartgips thixotrop Typ IV
1.2 Product details:	Dental plasters for processing into models and as accessories in the dental laboratory
Product form:	Powder
Purpose:	Dental auxiliaries
1.3 Manufacturer:	Adentatec GmbH
Street:	Konrad-Adenauer-Straße 13
ZIP/city/Country.:	50996 Köln/ GERMANY
Phone:	0 221 - 35 96 100
Fax:	0 221 - 35 96 170
Information department:	Alexander Schnack Tel.: 0 221 - 35 96 100
Emergency information:	030 19240
E-Mail: Homepage:	Alexander Schnack info@adentatec.com www.adentatec.com
2. Hazards identification	
2.1 Classification of the substance or mixture . Classification according to Regulation (EC) No 1272/2008	The product is not classifiable according to the CLP Regulation.
2.2 Label elements	<p>Labelling according to Regulation (EC) No 1272/2008 Not applicable.</p> <ul style="list-style-type: none"> . Hazard pictograms not applicable . Signal word not applicable . Hazard statements not applicable . Information pertaining to particular dangers for man and environment: <p>The product is not subject to compulsory labelling due to the calculation procedure of the "General Classification Classification Guidelines for Preparations of the EC" in the latest valid version.</p>
2.3 Other hazards	Not applicable
3. Composition/Data on components	
<p>3.2 Chemical characterisation: Mixtures</p> <ul style="list-style-type: none"> . Description: Gypsum preparation . Hazardous ingredients: not applicable . SVHC No . additional information: For the wording of the listed hazard statements, see section 16. 	

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4. First aid measures	
4.1 General information:	<p>General information: No special measures required.</p> <p>After inhalation: Supply fresh air, in case of complaints consult a doctor.</p> <p>After skin contact: Wash with water and soap. In general, the product is not irritating to the skin.</p> <p>After eye contact: Rinse opened eye for 15 minutes under running water. If symptoms persist, consult a doctor. consult a doctor.</p> <p>After ingestion: Rinse out mouth and drink plenty of water (approx. 500 ml). If symptoms persist, consult a doctor.</p>
4.2 Important acute and delayed symptoms and effects:	No further relevant information available.
4.3 Information for the doctor:	No further relevant information available.
5. Fire fighting measures	
5.1 Suitable extinguishing aids:	<p>Suitable extinguishing media Adapt fire extinguishing measures to the surroundings. The product itself is not flammable. CO₂, extinguishing powder or water spray. Fight larger fires with foam.</p>
5.2 Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:	In the event of a fire, the following can be released: Sulphur trioxide (SO ₃)
5.3 Protective equipment:	Wear self-contained breathing apparatus
6. Accidental release measures	
6.1 Person-related safety precautions: Protective equipment and to be used in emergencies procedure:	Avoid formation of dust. Wear personal protective clothing.
6.2 Measures for environmental protection:	No special measures required.
6.3 Measures for cleaning/collecting:	Take up mechanically.
6.4 Reference to other sections:	No hazardous substances are released.

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7. Handling and storage	
7.1 Information for safe handling:	No special measures required if used properly. Ensure good ventilation/exhaustion at the workplace. Provide exhaust ventilation in case of dust formation. Information about fire and explosion protection: The product is not flammable.
7.2 Conditions for safe storage, including intolerances: Common storage notes:	<ul style="list-style-type: none"> . Requirements for storage rooms and containers: No special requirements. . Information on storage together: Not required. . Further information on storage conditions: Store in a dry place. Keep container tightly closed. . Storage class (TRGS 510): 13 . Classification according to Ordinance on Industrial Safety and Health (BetrSichV): - .
7.3 Specific end uses:	No further relevant information available.
8. Exposure controls and personal protection	
8.1 To be monitored parameter:	<p>10034-76-1 Calcium sulphate x 0.5 H2O</p> <p>AGW (Germany) Long-term value: 6 A mg/m³ applies to CAS: 7778-18-9 Calcium sulphate anhydrous</p> <p>. Additional information: The general dust limit value of 1.25 mg/m³ (alveolar fraction) and 10 mg/m³ (inhalable fraction) must be observed (TRGS 900, 2015). The lists valid at the time of preparation served as a basis.</p>
8.2 Exposure controls	<p>Personal protective equipment:</p> <ul style="list-style-type: none"> . General protective and hygienic measures: Observe the usual precautions when handling chemicals. Wash hands before breaks and at the end of work. Avoid contact with eyes. . Respiratory protection: In case of insufficient ventilation use respiratory protection. Short-term filtering device: ABEK multi-range filter (DIN EN 14387). Filter P1. (For solid particles, DIN 3181) . Hand protection: not required. . Glove material: not applicable . Penetration time of glove material: not applicable . . Eye protection: Safety goggles (DIN 58211, EN 166) . Body protection: light protective clothing.
9. Physical and chemical properties	
9.1 Information on basic physical and chemical properties:	<p>Form / Colour: Powder in different colours per product</p> <p>Odour: Odourless</p> <p>Melting point: >1400 °C</p> <p>pH value: 6-7</p> <p>Explosive properties: The product is not explosive.</p> <p>Density at 20 °C: 2.6 g/cm³</p>

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	<p>Solubility in / Miscibility with Water at 20 °C: 2 g/l</p> <p>. Partition coefficient: n-octanol/water: approx. -2 log POW</p>								
9.2 Other information:	<p>Product is hygroscopic Product sets with water</p>								
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 as directed.								
10.3 Possibility of hazardous reactions:	No dangerous reactions known.								
10.4 Conditions to avoid:	Protect from humidity and water.								
10.5 Incompatible materials:	Not applicable								
10.6 Hazardous decomposition products:	Sulphur trioxide (SO ₃) Temp. > 1000 °C								
11. Toxicological information									
11.1 Information on toxicological effects:	<p>. Acute toxicity Based on available data, the classification criteria are not met.</p> <p>. LD/LC50 values relevant for classification:</p> <table border="0" style="width: 100%;"> <thead> <tr> <th style="text-align: left;">Component</th> <th style="text-align: left;">Type</th> <th style="text-align: left;">Value</th> <th style="text-align: left;">Species</th> </tr> </thead> <tbody> <tr> <td>Product</td> <td>LD50:</td> <td>oral > 2000 mg/kg</td> <td>rat</td> </tr> </tbody> </table> <p>. Primary irritant effect:</p> <p>. Skin corrosion/irritation Based on available data, the classification criteria are not met.</p> <p>. Serious eye damage/irritation Based on available data, the classification criteria are not met.</p> <p>. Respiratory sensitisation/skin Based on available data, the classification criteria are not met.</p> <p>. CMR effects (carcinogenic, mutagenic and toxic for reproduction)</p> <p>. Germ cell mutagenicity Based on available data, the classification criteria are not met.</p> <p>. Carcinogenicity Based on available data, the classification criteria are not met.</p> <p>. Reproductive toxicity Based on available data, the classification criteria are not met.</p> <p>. Specific target organ toxicity (single exposure) Based on available data, the classification criteria are not met.</p> <p>. Specific target organ toxicity (repeated exposure) Based on available data, the classification criteria are not met.</p> <p>. Aspiration hazard Based on available data, the classification criteria are not met.</p>	Component	Type	Value	Species	Product	LD50:	oral > 2000 mg/kg	rat
Component	Type	Value	Species						
Product	LD50:	oral > 2000 mg/kg	rat						
12. Ecological information									
12.1 Toxicity:	<p>Fish toxicity (acute) No data available</p> <p>Fish toxicity (chronic) No data available</p> <p>Daphnia toxicity (acute) No data available</p> <p>Daphnia toxicity (chronic) No data available</p>								

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<p>12.2 Persistence and degradability:</p> <p>12.3 Bioaccumulative potential:</p> <p>12.4 Mobility in soil:</p> <p>12.5 Results of PBT and vPvB assessment:</p> <p>12.6 Other adverse effects:</p>	<p>Algal toxicity (acute) No data available</p> <p>Algal toxicity (chronic) No data available</p> <p>Bacterial toxicity No data available</p> <p>In principle, inorganic salts are not biodegradable. . Other information: Assessment: well eliminable Elimination by flocculation or adsorption on sludge</p> <p>Due to the distribution coefficient n-octanol/water, accumulation in organisms is not expected.</p> <p>No data available Ecotoxic effects: . Other information: No AOX No VOC according to EC Directive 1999/13/EC . Further ecological information: . Contains the following heavy metals and compounds according to EC Directive 2006/11/EC: none . General information: Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.</p> <p>PBT assessment No data available. vPvB assessment No data available.</p> <p>No data available.</p>
13. Disposal considerations	
<p>13.1 Waste treatment Methods:</p>	<p>Recommendation: Smaller quantities can be deposited together with household waste. Can be deposited together with household waste in compliance with the necessary technical regulations after consultation with the disposer and the competent authority. and the competent authority, can be deposited together with household waste.</p> <p>. European Waste Catalogue 06 03 14 solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13</p> <p>. Uncleaned packaging : . Recommendation: Contaminated packaging should be emptied in the best possible way. They can then be recycled after appropriate cleaning. Packaging that cannot be cleaned should be disposed of in the same way as the substance. The packaging must be disposed of in accordance with the Packaging Ordinance.</p> <p>. Recommended cleaning agent: Water, if necessary with the addition of cleaning agents.</p>
14. Transport information	
<p>14.1 Transport ADR/RID/ADN</p> <p>14.2 Transport IMDG</p>	<p>The product is not subject to ADR/RID/ADN regulations.</p> <p>The product is not subject to IMDG regulations.</p>

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	<p>14.3 Transport ICAO-TI / IATA The product is not subject to ICAO-TI / IATA regulations.</p> <p>14.4 Other information No information available.</p> <p>14.5 Environmental hazards For information on environmental hazards, if relevant, see 14.1 - 14.3.</p> <p>14.6 Special precautions for user No information available.</p> <p>14.7 Transport in bulk according to Annex II of the MARPOL Convention and the IBC Code</p> <p>Transport/further information: Not a dangerous good in the sense of the transport regulations.</p> <p>UN "Model Regulation": not applicable</p>
<p>15. Regulatory information</p>	
<p>15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture:</p> <p>15.2 chemical safety assessment:</p>	<p>. Directive 2012/18/EU . Hazardous substances listed by name - ANNEX I. None of the ingredients is included .</p> <p>. National regulations : . Hazardous Incident Ordinance: Hazardous Incident Ordinance, Annex: not named. . Water hazard class: WGK 1 : slightly hazardous to water (according to VwVwS of 27.07.2005). . Other regulations, restrictions and prohibitions: The general dust limit value for alveolar dust fraction of 1.25 mg/m3 must be observed (TRGS 900, 2015). TRGS 900 and TRGS 906 must be observed in their respective current versions.</p> <p>A chemical safety assessment has not been carried out for the present mixture.</p> <p>A chemical safety assessment has not been carried out for the present mixture.</p>
<p>16. Other information</p>	
<p>The information is based on the current state of our knowledge, but does not constitute a guarantee of product properties and does not establish a contractual legal relationship. product characteristics and do not establish a contractual legal relationship.</p> <p>. Department issuing data sheet: QM . Contact: info@adentatec.com</p> <p>ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative</p>	