

MATERIAL SAFETY DATASHEET

Chromatic Dental Alginate

SECTION 1: Identification of the substance / mixture and of the company / undertaking

Product name: Chromatic Dental Alginate
REACH Product name: Dental impression material
Chemical formula: Not Applicable
Product type: Alginate-based powder, dust free
Use of the substance/mixture: Sector of use: Dental impression material
 Chemical product category: -
 Article category: -
 Environmental release category: -

Registered company name: Adelaide Moulding and Casting Supplies
Address: 7 Woodlands Terrace, Edwardstown SA 5039, Australia
Telephone: +61 8 8294 0451
Email: sales@amcsupplies.com.au
Website: www.amcsupplies.com.au

Other emergency telephone numbers: The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.

SECTION 2: Hazards identification

The product is not classified as dangerous according to Directive 1999/45/EC and its amendments.

Classification according to Regulation (EC) 1907/2006 (REACH)

Classification: None
Human health hazards: This product is not classified according to EU legislation
Environmental hazards: None

SECTION 3: Composition / information on ingredients

Substance/mixture	Preparation			
Ingredient name	CAS	%	CE Number	Classification
Cristobalite	14464-46-1	15-20		Xn; R48/20
Diatomaceous earth	68855-54-9	40-50	272-489-0	Xn; R48/20
Potassium fluorotitanate	16919-27-0	2-3	240-969-9	Xn; R20/21/22
Tetrasodium pyrophosphate	7722-88-5	0.5-1	231-767-1	Xi; R36/37/38
Trisodium phosphate	7601-54-9	1-2	231-509-8	Xi; R36/37/38

SECTION 4: First aid measures

Eye contact: Wash eye with water for at least 15 minutes. Seek medical advice.
Skin contact: Wash immediately with plenty of water. If irritation persists, seek medical attention.
Inhalation: Remove to fresh air. If breathing is irregular, seek medical advice.
Ingestion: Obtain immediate medical attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person.

SECTION 5: Firefighting measures

Suitable extinguishing media: Carbon dioxide, foam, powder and nebulised water.
Extinguishing media not to be used: None
Special exposure hazards: No known significant effects or critical hazards.
Other information: Do not breathe combustion products (carbon dioxide, toxic pyrolysis products, etc).

SECTION 6: Accidental release measures

Personal precautions:	Wear suitable gloves and eye/face protection.
Environmental protection precautions:	Avoid release to the environment.
Methods for cleaning:	Avoid creating dusty conditions and prevent wind dispersal. Wear appropriate respiratory protection. Use a shovel to transfer the material to a convenient waste disposal container.

SECTION 7: Handling and storage

Handling:	Avoid dust formation
Storage:	Keep away from heat, in a cool dry place.

SECTION 8: Exposure controls / personal protection

Exposure limit values

Ingredient name	Occupational exposure limits
No exposure limit value known	-

Personal protection

Respiratory protection:	If the threshold value for one or more of the substances present in the preparation for daily exposure in the workplace or to a fraction established by the company's prevention and protection service is exceeded, wear an FFP3 (ref. standard EN 141) type half mask. The use of breathing protection equipment, such as masks with organic vapour and dust/mist cartridges, is necessary in the absence of technical measures limiting worker exposure. In the event of prolonged worker exposure, verify the possibility of operating in a closed circuit or of reorganising the work cycle to avoid repetitive exposure; make sure the PPE used is as efficient as possible.
Hand protection:	Protect hands with category I (ref. Directive 89/686/EEC and standard EN 374) work gloves, such as those in latex, PVC or equivalent.
Eye protection:	Use of protective airtight goggles (ref. standard EN 166) recommended.
Skin protection:	Wear category I professional long-sleeved overalls and safety footwear (ref. Directive 89/686/CEE and standard EN 344). Wash body with soap and water after removing overalls.
Environmental exposure controls:	Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 9: Physical and chemical properties

Appearance:	Powder
Colour:	Light blue
Odour:	Vanilla-peppermint
Solubility:	Partially soluble in water
Viscosity:	Not available
Vapour density:	Not available
Evaporation rate:	Not available
Reactive properties:	Not available
Partition coefficient: n-octanol/water:	Not available
pH:	Not available
Boiling point:	Not available
Flash point:	Not available
Vapour pressure:	Not available
Density:	0.5-0.5g/cm ³

SECTION 10: Stability and reactivity

Chemical stability:	The product is stable
Hazardous reactions:	None
Conditions to avoid:	None
Materials to avoid:	None
Hazardous decomposition products:	None

SECTION 11: Toxicological information

Acute health effect:	Inhalation:	The product contains no relevant dust particles
	Ingestion:	No known significant effects or critical hazards
	Skin contact:	Non-irritating
	Eye contact:	May irritate eyes
Chronical health effects:	Carcinogenicity:	No known significant effects or critical hazards.

Mutagenicity:	No known significant effects or critical hazards.
Teratogenicity:	No known significant effects or critical hazards.
Developmental effects:	No known significant effects or critical hazards.
Fertility effects:	No known significant effects or critical hazards.

SECTION 12: Ecological information

Ecotoxicity: Slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

Methods of disposal: Recycle if possible. Do not empty into drains. Dispose to an approved landfill or a waste incineration plant. Observe all local, state and environmental regulations.
Product after patient contact is considered a hazardous waste as defined by EU Directive 91/689/EEC.

SECTION 14: Transport information

ADR/RID
Not regulated
Code class: -
Pack Group: -
UN#: -

IMDG
Not regulated
IMDG Code: -
UN#: -
EmS: -
Pack Group: -

ICAO/IATA
Not regulated
Code class: -
Pack Group: -
UN#: -

SECTION 15: Regulatory information

Hazard symbols: None
Risk phrases (R): None
Safety phrases (S): None
Other information: Product labelling according to directives 67/548/EEC and 1999/45/EC and following amendments and adjustments.

SECTION 16: Other information

R-Phrases: R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.
R41: Risk of serious damage to eyes.
R37: Irritating to respiratory system.
R36/34/38: Irritating to eyes, respiratory system and skin.
R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.

Bibliography: Directive 1999/45/EC and following amendments;
Directive 67/548/EEC and following amendments and adjustments (technical adjustment XXIX);
Regulation (EC) 1272/2008 (CLP) of the European Parliament;
Regulation (EC) 1907/2006 (REACH) of the European Parliament;

Other information: This Material Safety Data Sheet has been compiled according to EEC 1999/45 and 67/548 Directives. This information is believed to be true and correct according to the sources available. Please contact the supplier for any other information on products safety. In any case, the supplier does not grant any explicit or implicit warranty or liability on using the information given above. Users must control the conformity of these information for any specific use. This information does not represent a definition of working place hazards falling under local laws or directives. All local, federal and state laws and directives must be observed to use and dispose the above described product.

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