

SAFETY DATA SHEET

Cavex ColorChange



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

Product identifier

Product name : Cavex ColorChange
Product type : Alginate based powder, dustfree.

Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Dental impression material.

Details of the supplier of the safety data sheet

National contact

Cavex Holland
 Fustweg 5
 2031 CJ Haarlem
 The Netherlands

T +31 23 530 7700 E-Mail : dental@cavex.nl
 F +31 23 535 6482 Website : www.cavex.nl

National advisory body/Poison Centre/Emergency telephone number

Telephone number : +31 23 530 7700 (Office hours)

SECTION 2: Hazards identification

Classification of the substance or mixture

Product definition : Powder.

See Section 16 for the full text of the R phrases or H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

Label elements

Europe

Supplemental label elements : None.

Other hazards

Other hazards which do not result in classification : None.

Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII : Not applicable.

Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII : Not applicable.

SECTION 3: Composition/information on ingredients

Substance/mixture : Powder.

Product/ingredient name	Identifiers	%	Classification		Type
			67/548/EEC	Regulation (EC) No. 1272/2008 [CLP]	
Europe Tetra Sodium Pyrophosphate	CAS: 7722-88-5 EC: 231-767-1	0-3	Xn; R22 Xi; R41	H302, H318	-
Potassium Hexafluorotitanate	CAS: 16919-27-0 EC: 240-969-9	1-3	Xn; R20/21/22 Xi; R41 See Section 16 for the full text of the R-phrases declared above.	H302, H318 See Section 16 for the full text of the H statements declared above.	-

Type

1: Occupational exposure limits, if available, are listed in Section 8.

No dangerous substances are released.

SECTION 4: First aid measures

Description of first aid measures

- Eye contact** : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.
- Inhalation** : Not applicable.
- Skin contact** : Wash with soap and water.
- Ingestion** : No known significant effects or critical hazards. If you feel unwell, seek medical attention.
- Protection of first-aiders** : Not applicable.

Most important symptoms and effects, both acute and delayed

Potential acute health effects

- Eye contact** : Irritating to eyes.
- Inhalation** : The product contains no relevant dust particles. The surface of the diatomaceous earth is coated with paraffines.
- Skin contact** : Non-irritating (EU).
- Ingestion** : No known significant effects or critical hazards.

Indication of any immediate medical attention and special treatment needed

- Notes to physician** : Not considered to be toxic to humans.
- Specific treatments** : Not applicable.

SECTION 5: Firefighting measures

Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

Special hazards arising from the substance or mixture

- Hazards from the substance or mixture** : No known significant effects or critical hazards.
- Hazardous thermal decomposition products** : No known significant effects or critical hazards.

Advice for firefighters

- Special protective actions for fire-fighters** : None.
- Special protective equipment for fire-fighters** : Dust respirator.
- Additional information** : No additional remark.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : Prevent formation of dust.
- For emergency responders** : Prevent formation of dust.
- Environmental precautions** : Avoid release to the environment.

Methods and materials for containment and cleaning up

- Small spill** : Use a shovel to transfer the material to a convenient waste disposal container.
- Large spill** : 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.

Reference to other sections

- : See Section 1 for emergency contact information.
- : See Section 8 for information on appropriate personal protective equipment.
- : See Section 13 for additional waste treatment information.

Cavex ColorChange

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

Precautions for safe handling

- Protective measures** : Prevent formation of dust.
- Advice on general occupational hygiene** : Store in a dry place.
- Conditions for safe storage, including any incompatibilities** : No specific storage is required.

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

Control parameters

Occupational exposure limits

Product/ingredient name	Exposure limit values
Europe No exposure limit value known.	

- Recommended monitoring procedures** : None.
- DNELs/DMELs** : No DNELs/DMELs available.
- PNECs** : No PNECs available

Exposure controls

- Appropriate engineering controls** : Not applicable.
- Individual protection measures**
 - Hygiene measures** : Not applicable.
 - Eye/face protection** : Safety glasses.
 - Skin protection**
 - Hand protection** : Nitrile gloves.
 - Body protection** : Lab coat.
 - Other skin protection** : No known significant effects or critical hazards.
 - Respiratory protection** : A respirator is not needed under normal and intended conditions of product use.
- 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

Information on basic physical and chemical properties

Appearance

- Physical state** : Solid. (Powder.)
- Colour** : Rose.
- Odour** : Peppermint-like.
- pH** : Not available.
- Melting point/freezing point** : No results available.
- Initial boiling point and boiling range** : No results available.
- Flash point** : No flammable ingredients present.
- Relative density** : Not determined.
- Solubility in water** : Partially soluble in cold water.
- Auto-ignition temperature** : No results available.
- Decomposition temperature** : No results available.
- Viscosity** : Testing not technically possible.
- Oxidising properties** : Not applicable.
- Other information** : No additional information.

Date of issue/*Date of revision* : 11-2-2014. *Date of previous issue* : 30-1-2014. *Version* : 1.07 3/6

Cavex ColorChange

SECTION 10: Stability and reactivity

- Reactivity** : No additional information.
- Chemical stability** : The product is stable.
- Possibility of hazardous reactions** : None.
- Conditions to avoid** : None.
- Incompatible materials** : No specific data.
- Hazardous decomposition products** : None.

SECTION 11: Toxicological information

Information on toxicological effects

- Acute toxicity** : Very low toxicity to humans or animals.
- Irritation/Corrosion** : Based on available data, the classification criteria are not met.
- Sensitisation** : Based on available data, the classification criteria are not met.
- Mutagenicity** : Based on available data, the classification criteria are not met.
- Carcinogenicity** : Based on available data, the classification criteria are not met.
- Reproductive toxicity** : Based on available data, the classification criteria are not met.
- Teratogenicity** : Based on available data, the classification criteria are not met.

Potential acute health effects

- Eye contact** : Irritating to eyes.
- Inhalation** : The product contains no relevant dust particles. The surface of the diatomaceous earth is coated with paraffines.
- Skin contact** : Non-irritating (EU).
- Ingestion** : No known significant effects or critical hazards.

Potential chronic health effects : No known significant effects or critical hazards.

Other information : No additional information.

SECTION 12: Ecological information

- Toxicity** : No results available.
- Persistence and degradability** : No results available.
- Bioaccumulative potential** : No results available.
- Mobility in soil** : Not available.

Results of PBT and vPvB assessment

- PBT** : Not applicable.
- vPvB** : Not applicable.

Other adverse effects : No known significant effects or critical hazards.

SECTION 13: Disposal considerations

Waste treatment methods

Product

- Methods of disposal** : Use a shovel to transfer the material to a convenient waste disposal container.
- Hazardous waste** : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.

Packaging

- Methods of disposal** : Use a shovel to transfer the material to a convenient waste disposal container.
- Special precautions** : Avoid breathing dust.

Cavex ColorChange

SECTION 14: Transport information

	ADR/RID	ADN	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-	-
Transport hazard class (es)	Not controlled under European ADR.	Not controlled under ADN (Europe).	Not controlled under IMDG.	Not controlled under IATA.
Packing group	-	-	-	-
Environmental hazards	-	-	-	-
Additional information	-	-	-	-

Special precautions for user : No special measures are required.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not available.

SECTION 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

[EU Regulation \(EC\) No. 1907/2006 \(REACH\)](#)

[Annex XIV - List of substances subject to authorisation](#)

[Substances of very high concern](#)

None of the components are listed.

[National regulations](#)

Not applicable.

Chemical Safety Assessment : No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

☑ Indicates information that has changed from previously issued version.

Abbreviations and acronyms

: ATE = Acute Toxicity Estimate
 CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
 DMEL = Derived Minimal Effect Level
 DNEL = Derived No Effect Level
 EUH statement = CLP-specific Hazard statement
 PBT = Persistent, Bioaccumulative and Toxic
 PNEC = Predicted No Effect Concentration
 RRN = REACH Registration Number
 vPvB = Very Persistent and Very Bioaccumulative

[Procedure used to derive the classification according to Regulation \(EC\) No. 1272/2008 \[CLP/GHS\]](#)

Classification	Justification
Not classified.	

[Europe](#)

Full text of abbreviated H statements

: H302 - Harmful if swallowed.
 H318 - Causes serious eye damage.

Full text of classifications [CLP/GHS]

: H302 - ACUTE TOXICITY: ORAL Category 4.
 H318 - Irritant Category 1.

Full text of abbreviated R phrases

: R20/21/22- Harmful by inhalation, in contact with skin and if swallowed.
 R41- Risk of serious damage to eyes.

Full text of classifications [DSD/DPD]

: Xn - Harmful
 Xi - Irritant

Date of issue/Date of revision : 11-2-2014. Date of previous issue : 30-1-2014. Version : 1.07 5/6

Cavex ColorChange

SECTION 16: Other information

Date of printing : 11-2-2014.

Date of issue/ Date of revision : 11-2-2014.

Date of previous issue : 30-1-2014.

Version : 1.07

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.