

Safety Data Sheet

3D Dental

Section I Identification

Product Name: Mimic Alginate

Product Manufacturer Information:

3D Dental Design & Development LLC Chagrin Blvd. Suite 434 Shaker Heights, OH 44120

Phone:877-605-8061

Email:cs@3d-dent.com

Emergency Number: 800-424-9300

Section II Hazard (s) Identification:

Health Effects from Exposure By:

Inhalation: Dust of material can cause the following: mechanical irritation Ingestion: No hazard expected in normal use.

Eye Contact: No hazard expected in normal use.

Skin Contact: No hazard expected in normal use.

Existing information:

Carcinogenicity: N/D

Mutagenicity: N/D

Teratogenicity: N/D

Neurotoxicity: N/D

Reproductive System: N/D

Other effects: N/D

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Substance/preparation: Powder

Main Component	Chemical Formula	CAS No.	Contains
Magnesium oxide	Mg(OH) ₂	CAS: 1309-48-4	< 5%
Tetra Sodium Pyrophosphate	Na ₄ P ₂ O ₇	CAS: 72-8-5	<3%
Potassium Hexafluorotianate	K ₂ TiF ₆ .H ₂ O	CAS: 16919-27-0	< 3%

Section IV First-Aid Measures

Eye Contact: In case of contact with eyes flush immediately with water for at least 15 minutes. Seek medical attention if irritation persists

Inhalation: The product contains no relevant dust particles. The surface of the diatomaceous earth is coated with parafines

Skin Contact: Non Irritant (UE)

Ingestion: No known effects or risks are known

Special Indications to Medics or Special Treatment Needed: Not considered toxic to humans

Section V Fire-Fighting Measures

Flammable Properties: Slightly Flammable

Extinguishing Techniques: Water, Carbon Dioxide (CO₂), Dry Powder or Foam

Instructions to extinguish fire: Use extinguishing agent relevant to the surrounding environment **Combustible materials, flammable, explosive or that may increase**

flammability: No known materials

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Procedures to follow in case spillage or leakage

Avoid dust clouds

Avoid releasing into environment

Small Spill: Collect material and place in disposal Container. Obey relevant local, state, provincial and federal laws and regulations

See Material Safety Data Sheet section 8, Exposure Controls/Personal Protection.

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

Section VII Handling and Storage

Safety handling procedures: Avoid producing dust clouds

Information relative to a healthy work environment in general: Store in a cool dry place. **Safe storage conditions including possible incompatibilities:** No specific storage requirements.

Section VIII Exposure Controls and Personal Protection

Exposure Limit Information

Respiratory Protection

A respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Eye Protection see safety glasses (ANSI Z87.1 or approved equivalent).

Hand Protection: General gloves are recommended to protect the skin from drying and irritation.

Environmental Exposure Control: Do not allow to reach water ways in a diluted or neutralized state.

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Section IX Physical and Chemical Properties

Appearance:

Physical State: Solid (powder)
Color: Not available
Scent: Not available
pH: Not available
Vapor Pressure at 20°C: 23 hPa
Density at 20°C: 1,01 g/cm³
Vapor density; not determined
Evaporation speed not determined
Solubility in miscibility with water: No determined
Initial boiling point and boiling range: No data available
Flash point: No data available
Relative density : Not determined
Solubility in water: Slightly soluble in cold water
Autoignition Temperature : No data available
Decomposition temperature: No data available
Viscosity: The test is not technically possible

Section X Stability and Reactivity

Reactivity: No additional information.
Chemical stability: Product is stable.
Possibility of hazardous reactions: None.

Conditions to avoid: None.
Incompatible materials: No specific data
Hazardous decomposition products: None.

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Section XI Toxicological Information

Toxic effect information:

Acute toxicity: Very low toxicity to humans or animals

Irritation / Corrosion: Based on available data, the classification criteria are not met

Sensitization: Based on available data, the classification criteria are not met

Mutagenesis: Based on available data, the classification criteria are not met

Carcinogenicity: Based on available data, the classification criteria are met

Reproductive toxicity: Based on available data, the classification criteria are not met

Teratogenicity: Based on available data, the classification criteria are met

Potential acute health effects: Based on available data, the classification criteria are met

Eye contact: Irritating to eyes

Inhalation: Based on available data, the classification criteria are met

Contact with skin: Not irritant.

Ingestion: No known significant effects known.

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

Additional Information: No additional information.

Reactivity: No additional information.

Chemical Stability: Product is stable.

Possibility of hazardous reactions: None.

Conditions to avoid: None.

Incompatible materials: No specific data.

Hazardous Decomposition Products: None.

Section XII Ecological Information

Toxicity: No results available

Bioaccumulation potential: No data available

Mobility in soil: Not available

PBT: Not applicable

vPvB: Not applicable

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

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Section XIII Disposal Considerations.

Methods of disposal: Use a dust pan to transfer the material into a convenient waste disposal container

Hazardous waste: Based on your current knowledge provider does not consider this product as hazardous waste

Packaging : Deposit in convenient waste disposal container

Special precautions : None to be considered

Section XIV Transport Information

UN Number: No regulated ADR,
ADN, IMDG, IATA: Cancelled

UN Shipping Name:

ADR, ADN, IMDG, IATA: Cancelled

Type of hazard to transport: ADR, ADN, IMDG, IATA Cancelled

ADR, IMDG, IATA: Cancelled

Danger to environment: Not considered dangerous

Marine contamination: None

Particular user precautions: Not applicable.

Additional transportation information: Not considered dangerous

"Model Regulation" by the UNECE:

Additional Information: Substance not dangerous

Section XV Regulatory Information

Regulation and safety legislation, health and environment specific for the substance or mixture

- Chemical safety assessment: A Chemical Safety Assessment has not been carried out

Section XVI Other Information

This document conveys information that is accurate to the best knowledge of 3D Dental who manufactures Mimic Alginate, the data contained in this sheet is related only to the specific product designated herein.

3D Dental does not assume any legal responsibility for the independent use of this data or misuse of the product.

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