

**SAFETY DATA SHEET**

**Section 1. Product And Company Identification**

**Product Name:** Take 1 Alginate

**Product Use:** Dental product

**Manufacturer:** SpofaDental a.s.  
Markova 238  
CZ-506 46 Jicin Czech Republic  
Telephone no.: 420 493 583 204

Australian Supplier: **Kerr Australia Pty Limited**  
Unit 10, 112-118 Talavera Road  
North Ryde, NSW 2113  
Australia  
Telephone no.: 1 800 643 603  
Email general queries: [kavokerr.orders@kavokerr.com](mailto:kavokerr.orders@kavokerr.com)  
Email technical queries: [safety@kavokerr.com](mailto:safety@kavokerr.com)

**Information Phone Number:** 1-800-KERR-123 (in the US)

**Emergency Phone Number:** Poisons Information Helpline: 131126 (24 hours)

**SDS Date of Preparation/Revision:** September 16, 2019

**Section 2. Hazards Identification**

**GHS Classification:**

Eye Irritation Category 2A

Skin Irritation Category 3

Specific Target Organ Toxicity Single Exposure Category 3

Specific Target Organ Toxicity Repeated Exposure Category 2

**Label Elements:**

**Warning!**



**Hazard Phrases**

H316 Causes mild skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.  
H372 Causes damage to organs through prolonged or repeated exposure.

Precautionary Phrases

- P260 Do not breathe dust or vapors.
- P264 Wash hands thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P271 Use only outdoors or in a well-ventilated area.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P280 Wear protective gloves and eye protection.
- P284 Wear respiratory protection.
- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- P333+P313 If skin irritation or rash occurs: Get medical attention.
- P362 Take off contaminated clothing and wash before reuse.
- P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P310 Immediately call a POISON CENTER or doctor.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337+P313 If eye irritation persists: Get medical attention.
- P391 Collect spillage.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P405 Store locked up.
- P501 Dispose of contents and container in accordance with local and national regulations.

**Section 3. Composition/Information on Ingredients**

Component	CAS No.	Amount
Diatomaceous earth	68855-54-9	60-100%
Potassium hexafluorotitanate	16919-27-0	1-5%
Trisodium phosphate dodecahydrate	10101-89-0	0.1-1%

**Section 4. First Aid Measures**

**Inhalation:** Immediately remove victim to fresh air. If breathing is difficult, oxygen should be administered by qualified personnel. If breathing has stopped, administer artificial respiration. Get immediate medical attention.

**Skin Contact:** Flush thoroughly with water. Get medical attention if irritation or symptoms of exposure develop. Remove and launder contaminated clothing before re-use.

**Eye Contact:** Rinse thoroughly with water. Get medical attention if irritation occurs and persists.

**Ingestion:** Do NOT induce vomiting. Rinse mouth with water. Never give anything by mouth to an unconscious or convulsing person. Keep the victim calm and warm. Get immediate medical attention.

**Most important symptoms and effects, acute and delayed:** Causes serious eye irritation and mild skin irritation. Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs.

**Indication of immediate medical attention and special treatment, if needed:** Immediate medical attention is not required.

### Section 5. Fire Fighting Measures

**Suitable (and Unsuitable) Extinguishing Media:** Use any media appropriate for the surrounding fire. Cool fire exposed containers with water.

**Specific Hazards Arising from the Chemical:** Combustion may produce carbon dioxide, carbon monoxide, nitrogen oxides, sulfur oxides, halogenated compounds, metal oxides, and fluoride compounds.

**Special Protective Equipment and Precautions for Fire-fighters:** Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for fires in areas where chemicals are used or stored. Cool fire-exposed containers with water. Contain water used in firefighting from entering sewers or natural waterways.

### Section 6: Accidental Release Measures

**Personal precautions, Protective equipment, and Emergency procedures:** Evacuate spill area and keep unprotected personnel away. Avoid contact with eyes, skin and clothing. Wear appropriate protective clothing and equipment. Do not breathe dust or vapors.

**Environmental Precautions:** Avoid releases to the environment. Report spill as required by local and federal regulations.

**Methods and Materials for Containment and Cleaning up:** Prompt cleanup and removal are necessary. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. For large spills, approach release from upwind. Avoid creating dusty conditions and prevent wind dispersal. Place spilled material in an appropriate waste disposal container.

### Section 7. Handling and Storage

**Precautions for Safe Handling:** Prevent contact with eyes, skin and clothing. Always wear impervious gloves, chemical safety goggles and protective clothing when handling this material. Wash thoroughly with soap and water after handling. Do not eat, drink or smoke in the work area. Do not breathe dust or vapors. Use with adequate ventilation. Remove and wash contaminated clothing before reuse.

Empty containers retain product residues which can be hazardous. Follow all SDS precautions when handling empty containers.

**Conditions for Safe Storage, Including any Incompatibilities:** Store in a cool, dry, well-ventilated area away from direct sunlight. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers.

**Section 8. Exposure Controls / Personal Protection**

**Exposure Limits**

Chemical	Exposure Limit
Diatomaceous earth	None Established
Potassium hexafluorotitanate	None Established
Trisodium phosphate dodecahydrate	5 mg/m <sup>3</sup> TWA OSHA PEL (respirable) 15 mg/m <sup>3</sup> TWA OSHA PEL (inhalable)

**Appropriate Engineering Controls:** Use with adequate general or local exhaust ventilation to maintain exposure levels below the occupational exposure limits.

**Respiratory Protection:** In operations where exposure levels are exceeded, an approved dust/mist respirator or supplied air respirator should be used. Equipment selection depends on contaminant type and concentration. Select in accordance with applicable regulations and good industrial hygiene practice.

**Hand protection:** Impervious gloves are suggested to prevent skin contact. Contact your glove supplier for selection assistance.

**Eye Protection:** Chemical safety goggles are recommended if contact is possible.

**Skin Protection:** Wear protective clothing as needed to avoid skin contact and contamination of personal clothing.

**Hygiene measures:** Suitable eye and skin washing facilities should be available in the work area.

**Section 9. Physical and Chemical Properties**

<b>Appearance:</b>	Powder of various colors	<b>Odor:</b>	Pleasant
<b>Odor Threshold:</b>	Not available	<b>pH:</b>	Not available
<b>Melting/Freezing Point:</b>	Not available	<b>Boiling Point/Range:</b>	Not available
<b>Flash Point:</b>	Not flammable	<b>Evaporation Rate:</b>	Not available
<b>Flammability: (Solid, Gas)</b>	Not applicable	<b>Flammability Limits:</b>	LEL: Not applicable UEL: Not applicable
<b>Vapor Pressure:</b>	Not available	<b>Vapor Density:</b>	Not available
<b>Relative Density:</b>	Various	<b>Solubilities:</b>	Soluble in water
<b>Partition Coefficient:</b>	Not available	<b>Autoignition</b>	Not available

(N-Octanol/Water) Decomposition Temperature:	Not available	Temperature: Viscosity:	Various
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### Section 10. Stability and Reactivity

**Reactivity:** The product is not expected to be reactive.  
**Chemical Stability:** Stable under normal storage and handling conditions.  
**Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.  
**Conditions to avoid:** Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Prevent dust accumulation.  
**Incompatible Materials:** Oxidizing materials and hydrofluoric acid.  
**Hazardous decomposition products:** None if stored normally.

### Section 11. Toxicological Information

#### Potential Health Effects:

**Inhalation:** Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs.

**Skin Contact:** Causes mild skin irritation.

**Eye Contact:** Causes serious eye irritation.

**Ingestion:** None known.

**Chronic Hazards:** Causes damage to organs through prolonged or repeated exposure. Breathing excessive silica dust for a long time can cause silicosis. Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.

**Skin corrosion/irritation:** This product is not expected to cause skin irritation or corrosion.

**Eye damage/ irritation:** This product is not expected to cause eye irritation or corrosion.

**Skin Sensitization:** No adverse effects expected. Components are not sensitizers.

**Respiratory Sensitization:** No data available. This product is not expected to cause respiratory sensitization.

**Germ Cell Mutagenicity:** None of the components have been shown to cause reproductive or developmental toxicity.

**Carcinogen:** None of the components are listed as a carcinogen or potential carcinogen by IARC, NTP or the EU CLP.

**Developmental / Reproductive Toxicity:** Mercury: Reproductive effects have been observed on tests with laboratory animals.

**Specific Target Organ Toxicity (Single Exposure):** No data available.

**Specific Target Organ Toxicity (Repeated Exposure):** Repeated exposure to crystalline silica may cause silicosis, a non-cancerous lung disease.

**Aspiration Toxicity:** Not an aspiration hazard.

**Acute Toxicity Values:**

Trisodium phosphate dodecahydrate: Oral rat LD50: 6500 mg/kg; Dermal rabbit LD50: >7940 mg/kg

**Section 12. Ecological Information**

**Toxicity:** Trisodium phosphate dodecahydrate: 96 hr LC50 Rainbow trout 260 mg/L;  
48 hr EC50 Daphnia magna >1000 mg/L

This product is classified as toxic to the aquatic environment. Releases to the environment should be avoided.

**Persistence and degradability:** Biodegradation is not applicable to inorganic substances.

**Bioaccumulative Potential:** No data available.

**Mobility in Soil:** No data available.

**Other Adverse Effects:** No data available.

**Section 13. Disposal Considerations**

**Disposal:** For unused product, dispose of in accordance with Federal and local regulations.

**Container Disposal:** Dispose of empty container in accordance with Federal and local regulations.

**Section 14. Transport Information**

	UN Number	UN Proper Shipping Name	Hazard Class(s)	Packing Group	Environmental Hazards
<b>ADG</b>	None	Not Regulated	None	None	None
<b>IMDG</b>	None	Not Regulated	None	None	None
<b>IATA/ICAO</b>	None	Not Regulated	None	None	None

**Special Precautions for User:** None identified

**Transport in Bulk According to Annex III MARPOL 73/78 and the IBC Code:** Not applicable – product is transported only in packaged form.

**Hazchem Code:** Not applicable.

**Section 15. Regulatory Information**

**Montreal Protocol (Ozone Depleting Substances):** None present

**The Stockholm Convention (Persistent Organic Pollutants):** None present

**The Rotterdam Convention (Prior Informed Consent):** Mercury is listed.

**Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP):** Copper is listed in Schedule 4 and 6.

**Australian AICS:** All of the components of this product are listed on AICS inventory.

<b>Section 16. Other Information</b>
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**Effective Date:** September 16, 2019

**Supersedes Date:** New SDS.

**Revision Summary:** New SDS.

The information and recommendations set forth herein are taken from sources believed to be accurate as of the date of preparation, however, KERR Corporation makes no warranty with respect to the accuracy or suitability of the recommendations, and assumes no liability to any use thereof.