

# Patterson Dental Company Safety Data Sheet

**Alginite Algitec** MSDS No. 1

**HAZARD CLASS**

**ROUTES OF ENTRY**

☒ INHALATION ☒ INGESTION

☐ SKIN ABSORPTION ☐ SKIN OR EYE CONTACT

**TARGET ORGANS**

☒ RESPIRATORY ☐ REPRODUCTIVE ORGANS

☐ HEART ☐ BLOOD

☐ KIDNEY ☐ LIVER

☒ EYES ☐ CNS

☐ SKIN ☐ CVS

*mask gloves goggles gown*

## 1. Identification

Product Name <b>ALGITEC Alginate Impression Material</b>	SDS Code Number <b>928009</b>
Trade Name & Synonyms <b>ALGITEC Alginate Impression Material</b>	Date of Last Revision <b>02/22/13</b>
Chemical Name <b>Alginate Impression Material</b>	Manufactured for : <b>Patterson Dental Company</b>
	Address <b>1031 Mendota Heights Road St Paul MN 55120 http://www.pattersondental.com</b>
Grades or Minor Variant Identities <b>Fast Set and Regular Set</b>	Information Telephone Number <b>800-873-7683</b>
Product Use (for Canada) <b>Dental Alginate Impression Material</b>	Emergency Telephone Number <b>800-424-9300</b>

## 2. Hazard(s) Identification



WARNING  
CAUSES SKIN IRRITATION

WASH HANDS THOROUGHLY AFTER HANDLING

WEAR PROTECTIVE GLOVES

IF ON SKIN: WASH WITH PLENTY OF SOAP AND WATER.

IF SKIN IRRITATION OCCURS: GET MEDICAL ADVICE / ATTENTION

TAKE OFF CONTAMINATED CLOTHING AND WASH BEFORE REUSE

## 3. Composition/Information on Ingredients

Hazardous Components	C.A.S. Number	Exposure Limits	%
Silicon Dioxide -Crystalline - Cristobalite	14464-46-1	0.025 mg/M <sup>3</sup>	< 55
Silicon Dioxide - Crystalline -Quartz	14808-60-7	0.025 mg/M <sup>3</sup>	< 5
Silicon Dioxide – Amorphous - Diatomaceous Earth	68855-54-9	0.1 mg/M <sup>3</sup>	< 30
Tetrasodium Pyrophosphate	7722-88-5	5 mg/M <sup>3</sup>	< 3
Calcium Sulfate	10101-41-4	10 mg/M <sup>3</sup>	< 20
Magnesium Oxide	1309-48-4	10 mg/M <sup>3</sup>	< 7

**Coating Information:** The coating agent is an organic glycol compound.

## 4. First Aid Measures

Routes of Exposure	First Aid Instructions	Immediate Medical Attention	Delayed Effects
Eye	Rinse opened eye for several minutes under running water. If symptoms persist consult physician	Not Applicable	Not Applicable
Skin	Immediately wash with soap and water and rinse thoroughly	Not Applicable	Not Applicable
Inhalation	Supply fresh air, consult physician if symptoms persist	Not Applicable	Not Applicable
Ingestion	If symptoms persist consult physician	Not Applicable	Irritation and soreness in throat and nose. In extreme exposures some congestion may occur. Inhalation of crystalline silica has been classified by IARC as carcinogenic for humans (Group1). Inhalation of crystalline silica is also a known cause of silicosis, a non-cancerous lung disease caused by excessive exposure to crystalline silica. Respirable dust from this product may contain up to 52 % free crystalline silica (Cristobalite) and up to 4% crystalline silica (Quartz). As such it represents a risk to the respiratory system. Long term, unprotected exposure to dust levels in excess of the TLV or PEL may cause lung disease (silicosis). This product has been coated with an organic glycol, which prevents the product from dusting during use. Low order of toxicity is expected when large amounts of material are ingested. Acute toxicology study in rats LD <sub>50</sub> >2,000mg/kg.
Other	Not Applicable	Not Applicable	Not Applicable
Note to Physicians (Treating, Testing and Monitoring): Treat symptomatically.			

## SAFETY DATA SHEETS

This SDS packet was issued with item:

070849026

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

070848978 070848994 070849034 070849042 070849059 070849067

# Patterson Dental Company

## Safety Data Sheet

### 5. Fire Fighting Measures

Flame Propagation or Burning Rate (for Solids): Not Applicable	Properties Contributing to Fire Intensity: Not Applicable	Flammability Classification: Not Applicable	Other: Not Applicable
Extinguishing Media: CO <sub>2</sub> , extinguishing powder, foam carbon dioxide or water spray. Fight larger fires with water spray or alcohol resistant foam.		Extinguishing Media to Avoid: Water with full jet.	
Protection and Procedures for Firefighters: Firefighters should wear self-contained respiratory protective devices.			
Unusual Fire and Explosion Hazards: No dangerous decomposition products known. - Product does not present an explosion hazard.			

### 6. Accidental Release Measures

Containment Techniques: Material is a dry fluffy white to off-white powder. Store only in the original package. Keep package tightly sealed to minimize dust generation and accumulation. The avoidance of any air contaminant is always a recommended practice. Adherence to work place ventilation standards is an assurance of general personnel health and comfort		
Spill/Leak Clean-up Procedures and Equipment: Wear protective clothing and scoop up bulk material and place in a labeled plastic or metal container. Avoid gross skin contact to minimize the possibility of drying out the skin. Ensure adequate ventilation, by either natural or mechanical means to keep dust level below PEL.		
Evacuation Procedures: Not Applicable	Special Instructions: Not Applicable	Reporting Requirements: Not Applicable

### 7. Handling and Storage

Handling Practices and Warnings: Product is intended for dental use only. Handling of this product should be by trained dental healthcare professionals only. Observe normal care for working with chemicals.
Storage Practices and Warnings: Store only in the original package. Keep package tightly sealed. Store in a dry area. Protect from exposure to direct light to avoid overheating. Store in a cool dry area. Store away from food and beverages. Minimize dust generation and accumulation. Avoid breathing dust and contact with eyes. Return cap to canisters immediately. Close pouches immediately after use. Continue to follow all SDS/label warnings when handling empty containers. Observe normal warehouse handling procedures. The avoidance of any air contaminant is always a recommended practice. Adherence to work place ventilation standards is an assurance of general personnel health and comfort.

### 8. Exposure Control / Personal Protection



Individual Protection Measures	Personal Protective Equipment for Normal Use	Personal Protective Equipment for Emergencies
Eye/Face	Safety Glasses	Not Applicable
Skin	The glove material has to be impermeable and resistant to the product.	Not Applicable
Inhalation	Recommended NIOSH approved nuisance dust mask. <10X PEL, use 3M 9900; <100X PEL, use MSA Ultra-Twin with H filter; <200X PEL, use MSA 01-00-06 with type C supplied air unit (continuous flow mode); or equivalent. Use sufficient natural or mechanical ventilation to keep dust level below PEL.	Not Applicable
Body Protection	Protective work clothing such as lab coat.	Not Applicable
General Hygiene Considerations and Work Practices: Avoid dusting when in use. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at end of work. Avoid contact with the eyes and skin. Do not eat, drink or smoke when using.		
Protective Measures During Repair and Maintenance of Contaminated Equipment: Not Applicable		
Other Protective Measures and Equipment: Not Applicable		

### 9. Physical and Chemical Characteristics

Appearance: Dry fluffy white to off-white powder.	Odor: Spearmint odor.
Normal Physical State: Dry fluffy powder.	Melting Point: Not Applicable
Specific Gravity: 0.3 g/cm <sup>3</sup>	pH: Not Applicable
Vapor Pressure (mm Hg): Not Applicable	Evaporation Rate (Butyl Acetate =1): Not Applicable
Other: Not Applicable	

### 10. Stability and Reactivity Data

Incompatibility (Materials to Avoid): Hydrofluoric Acid.	
Hazardous Products Produced During Decomposition: No dangerous decomposition products known if used according to Directions for Use. (DFU).	
Hazardous Polymerization: <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> May Not Occur	Conditions to Avoid: None known
Stability? <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable	Conditions to Avoid: None known

**Patterson Dental Company**  
**Safety Data Sheet**  
**11. Toxicological Information**

Toxicity Data, Epidemiology Studies, Carcinogenicity, Neurological Effects, Genetic Effects, Reproductive Effects, or Structure Activity Data: Product may irritate the skin. On the eye the product has an irritating effect. Sensitization: No sensitizing effects known.					
Emergency Overview: Material may be mildly irritating to eyes.					
Routes of Exposure	Signs and Symptoms	Single, Repeated, or Lifetime Exposure	Severity (Mild, Moderate, Severe)	Acute and Chronic Health Effect(s)	Target Organ(s)
Eye	Material can cause irritation.	Single	Moderate	Irritation and possible corneal damage	Not Applicable
Skin	Material may be irritating	Single & Repeated	Moderate	Possible irritation	Not Applicable
Inhalation	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Ingestion	Material is probably not harmful if swallowed	Not Applicable	Mild	Low order of toxicity is expected when large amounts of material are ingested. Acute toxicology study in rats LD <sub>50</sub> >2,000mg/kg.	Not Applicable
Other	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Medical Conditions Aggravated by Exposure Open sores and wounds of the skin.					
Carcinogenicity NTP?: Not listed IARC monographs?: Not listed OSHA regulated?: No All components of this product are in compliance with the inventory listing Requirements of the U. S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.					
Potential Environmental Effects Do not allow to enter sewers/ surface or ground water.					
NFPA Hazard Classification Ratings (Scale 0-4), Health = 1, Fire = 0, Reactivity = 0					

**12. Ecological Information**

Toxicity Data, Environmental Fate, Physical/Chemical Data, or other Data Supporting Environmental Hazard Statements: Water Hazard class I (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water streams or sewage system.
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**13. Disposal Considerations**

Regulations: Dispose of material as solid waste in a closed container. Dispose of in accordance with Federal, State and Local regulations. Vacuum clean dust with equipment fitted with a HEPA filter. Use dust suppression such as water if sweeping is necessary. Sweep up spilled material and place in closed containers for disposal.
Properties (Physical/Chemical) Affecting Disposal: Dispose of material as solid waste in a closed container.

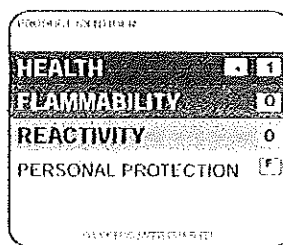
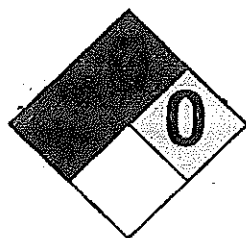
**14. Transport Information**

Regulated for Shipping: No. Not Regulated	DOT Shipping Name: Not Regulated	Packing Group: Not Applicable
Do Changes in Quantities, packaging, or shipment method change product classification? No	DOT Hazard Class: Not Applicable	UN Number: Not Applicable

**15. Regulatory Information**

This product has been classified in accordance with the hazard criteria of the Globally Harmonized System of Classification and Labeling of Chemicals and the SDS contains all of the information required by the Canadian Controlled Products Regulations.
U.S. Federal Regulations: <u>CERCLA 103 Reportable Quantity</u> : This product is not subject to CERCLA reporting requirements. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations
<u>Section 313 Toxic Chemicals</u> : This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): None
<u>Section 302 Extremely Hazardous Substances (TPQ)</u> : None
<u>EPA Toxic Substances Control Act (TSCA) Status</u> : All of the components of this product are listed on the TSCA inventory.
<u>U.S. State Regulations California Proposition 65</u> : This product does not contain any chemicals, which are on the California Proposition 65 list.
<u>International Regulations: Canadian Environmental Protection Act</u> : This product is a medical device and not subject to chemical notification requirements.
<u>European Community Labeling</u> : Not a dangerous preparation.
<u>European Inventory of New and Existing Chemicals Substances (EINECS)</u> : This product is a medical device and not subject to chemical notification requirements.
Other: Not Applicable

## 16. Other Information



To the best of our knowledge this product does not contain gluten, wheat grains, flaxseed, natural rubber, or natural latex. All components are synthetically produced; none are derived from animal products. The attached safety data sheet covers the dangers and measures to be taken when large quantities of material are released, for example due to accidents during transport or storage by the dealer. For quantities of material typically used in clinical practice, information necessary for safe use and storage of the product is given in the DFU.

