

## SAFETY DATA SHEETS

**This SDS packet was issued with item:**

070849059

**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 070849026 070849034 070849042 070849067

## Safety Data Sheet

According to Canadian Hazardous Products Regulations and WHMIS 2015

Initial preparation date: 11.21.2017

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### Patterson Algitec Alginate Impression Material

#### SECTION 1: Identification

##### Product identifier

**Product name:** Patterson Algitec Alginate Impression Material

**Product code:** 070848978, 070848994, 070849026, 070849034,  
070849042, 070849059, 070849067

**Additional information:** Grades or Minor Variant Identities: Fast Set and  
Regular Set

##### Recommended use of the product and restriction on use

**Relevant identified uses:** Not determined or not applicable.

**Uses advised against:** Not determined or not applicable.

**Reasons why uses advised against:** Not determined or not applicable.

##### Manufacturer or supplier details

**Manufacturer:**

**Supplier**

Patterson Dentaire Canada Inc.  
1205 boul Henri-Bourassa West  
Montreal (Québec) H3M 3E6  
+1 514-745-4040

##### Emergency telephone number:

**Canada**

**CHEMTREC**

Within USA and Canada: 1-800-424-9300 (CHEMTREC, 24 hours)

Outside USA and Canada: +1-703-527-3887 (CHEMTREC, 24 hours)

#### SECTION 2: Hazard identification

##### GHS classification:

Serious eye damage, category 1

Carcinogenicity, category 1A

Specific target organ toxicity - repeated exposure, category 1

##### Label elements

##### Hazard pictograms:



**Signal word:** Danger

##### Hazard statements:

H318 Causes serious eye damage

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H350 May cause cancer

H372 Causes damage to organs through prolonged or repeated exposure

### Precautionary statements:

P280 Wear protective gloves/protective clothing/eye protection/face protection

P201 Obtain special instructions before use

P202 Do not handle until all safety precautions have been read and understood

P260 Do not breathe dust/fume/gas/mist/vapors/spray

P264 Wash skin thoroughly after handling

P270 Do not eat, drink or smoke when using this product

P305+P351+P338+P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

P308+P313 If exposed or concerned: Get medical advice/attention

P405 Store locked up

P501 Dispose of contents and container as instructed in Section 13

**Hazards not otherwise classified:** None

## SECTION 3: Composition/information on ingredients

| Identification            | Name   | Weight % |
|---------------------------|--|----------|
| CAS number:<br>14464-46-1 | Silicon Dioxide - Crystalline - Cristobalite     | <26      |
| CAS number:<br>14808-60-7 | Silicon Dioxide - Crystalline - Quartz           | <3       |
| CAS number:<br>68855-54-9 | Silicon Dioxide - Amorphous - Diatomaceous Earth | <35      |
| CAS number:<br>7722-88-5  | Tetrasodium Pyrophosphate                        | <3       |
| CAS number:<br>10101-41-4 | Calcium Sulfate                                  | <20      |
| CAS number:<br>1309-48-4  | Magnesium Oxide                                  | <7       |

**Additional Information:** None

## SECTION 4: First-aid measures

### Description of first-aid measures

#### General notes:

Not determined or not available.

#### After inhalation:

Loosen clothing as necessary and position individual in a comfortable position

Maintain an unobstructed airway

Get medical advice/attention if you feel unwell

#### After skin contact:

Rinse affected area with soap and water

If symptoms develop or persist, seek medical attention

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Take off all contaminated clothing  
Gently blot or brush away excess product  
Wash with plenty of lukewarm, gently flowing water  
Get medical advice if skin irritation occurs or you feel unwell

#### After eye contact:

Rinse/flush exposed eye(s) gently using water for 15-20 minutes  
If symptoms develop or persist, seek medical attention

#### After ingestion:

Rinse mouth thoroughly  
Seek medical attention if irritation, discomfort, or vomiting persists

#### Most important symptoms and effects, both acute and delayed

##### Acute symptoms and effects:

Not determined or not available.

##### Delayed symptoms and effects:

Not determined or not available.

#### Immediate medical attention and special treatment

##### Specific treatment:

Not determined or not available.

##### Notes for the doctor:

Not determined or not available.

### SECTION 5: Fire-fighting measures

#### Extinguishing media

##### Suitable extinguishing media:

Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition

##### Unsuitable extinguishing media:

Not determined or not applicable.

#### Specific hazards during fire-fighting:

Thermal decomposition can lead to release of irritating gases and vapors

#### Special protective equipment for firefighters:

Use typical firefighting equipment, self-contained breathing apparatus, special tightly sealed suit

#### Special precautions:

Carbon monoxide and carbon dioxide may form upon combustion  
Heating causes a rise in pressure, risk of bursting and combustion

### SECTION 6: Accidental release measures

#### Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation  
Ensure air handling systems are operational  
Wear protective eye wear, gloves and clothing

#### Environmental precautions:

Should not be released into the environment  
Prevent from reaching drains, sewer or waterway

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#### Methods and material for containment and cleaning up:

- Wear protective eye wear, gloves and clothing
- Sweep or scoop up solid material while minimizing dust generation
- Dispose of contents / container in accordance with local regulations

#### Reference to other sections:

Not determined or not applicable.

### SECTION 7: Handling and storage

#### Precautions for safe handling:

- Use only with adequate ventilation.
- Avoid breathing dust.
- Do not eat, drink, smoke or use personal products when handling chemical substances.

#### Conditions for safe storage, including any incompatibilities:

- Keep container tightly sealed.
- Keep container dry.
- Store in a cool, well-ventilated area.

### SECTION 8: Exposure controls/personal protection

Only those substances with limit values have been included below.

#### Occupational Exposure limit values:

| Country (Legal Basis) | Substance                              | Identifier | Permissible concentration  |
|-----------------------|--|------------|--|
| Canada                | Silicon Dioxide - Crystalline - Quartz | 14808-60-7 | Alberta OELs - 8-Hour TWA Exposure Limit: 0.025 mg/m <sup>3</sup> (respirable)                           |
|                       | Silicon Dioxide - Crystalline - Quartz | 14808-60-7 | British Columbia OELs - 8-Hour TWA Exposure Value: 0.025 mg/m <sup>3</sup> (respirable)                  |
|                       | Silicon Dioxide - Crystalline - Quartz | 14808-60-7 | Manitoba OELs - 8-Hour TWA Exposure Limit: 0.025 mg/m <sup>3</sup> (respirable fraction)                 |
|                       | Silicon Dioxide - Crystalline - Quartz | 14808-60-7 | Ontario OELs - 8-Hour TWA Exposure Limit: 0.10 mg/m <sup>3</sup> (respirable fraction)                   |
|                       | Silicon Dioxide - Crystalline - Quartz | 14808-60-7 | Quebec OELs - 8-Hour TWA Exposure Value: 0.1 mg/m <sup>3</sup> (respirable)                              |
|                       | Silicon Dioxide - Crystalline - Quartz | 14808-60-7 | Saskatchewan OELs - 15 Minute Average Contamination Limit: 0.05 mg/m <sup>3</sup> (respirable fraction)  |
|                       | Magnesium Oxide                        | 1309-48-4  | British Columbia OELs - 8-Hour TWA Exposure Value: 10 mg/m <sup>3</sup> (fume, inhalable)                |
|                       | Magnesium Oxide                        | 1309-48-4  | Alberta OELs - 15-minute STEL: 10 mg/m <sup>3</sup> (fume)   |
|                       | Magnesium Oxide                        | 1309-48-4  | British Columbia OELs - 8-Hour TWA Exposure Value: 3 mg/m <sup>3</sup> (respirable dust and fume, as Mg) |

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| Country (Legal Basis) | Substance       | Identifier | Permissible concentration  |
|-----------------------|-----------------|------------|--|
|                       | Magnesium Oxide | 1309-48-4  | British Columbia OELs - 15-minute STEL: 10 mg/m <sup>3</sup> (respirable dust and fume, as Mg)       |
|                       | Magnesium Oxide | 1309-48-4  | 8-hour Exposure Limit (TLV-TWA): 10 mg/m <sup>3</sup> (inhalable fraction)                           |
|                       | Magnesium Oxide | 1309-48-4  | Ontario OELs - 8-Hour TWA Exposure Limit: 10 mg/m <sup>3</sup> (inhalable fraction)                  |
|                       | Magnesium Oxide | 1309-48-4  | Quebec OELs - 8-Hour TWA Exposure Value: 10 mg/m <sup>3</sup> (fumes, as Mg)                         |
|                       | Magnesium Oxide | 1309-48-4  | Saskatchewan OELs - 8 Hour Average Contamination Limit: 10 mg/m <sup>3</sup> (inhalable fraction)    |
|                       | Magnesium Oxide | 1309-48-4  | Saskatchewan OELs - 15 Minute Average Contamination Limit: 20 mg/m <sup>3</sup> (inhalable fraction) |

#### Biological limit values:

No biological exposure limits noted for the ingredient(s).

#### Information on monitoring procedures:

Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls.

Biological monitoring may also be appropriate for some substances.

#### Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.

#### Personal protection equipment

##### Eye and face protection:

Safety goggles or glasses, or appropriate eye protection.

##### Skin and body protection:

Select glove material impermeable and resistant to the substance.

Wear appropriate clothing to prevent any possibility of skin contact.

##### Respiratory protection:

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

#### General hygienic measures:

Avoid contact with skin, eyes and clothing.

Wash hands before breaks and at the end of work.

Wash contaminated clothing before reuse.

### SECTION 9: Physical and chemical properties

#### Information on basic physical and chemical properties

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|   |                                      |
|---|--------------------------------------|
| <b>Appearance (physical state, color):</b>      | Dry fluffy white to off-white powder |
| <b>Odor:</b>                                    | Spearmint odor                       |
| <b>Odor threshold:</b>                          | Not available.                       |
| <b>pH-value:</b>                                | Not applicable.                      |
| <b>Melting/Freezing point:</b>                  | Not applicable.                      |
| <b>Boiling point/range:</b>                     | Not applicable.                      |
| <b>Flash point:</b>                             | Not applicable.                      |
| <b>Evaporation rate:</b>                        | Not applicable.                      |
| <b>Flammability (solid, gaseous):</b>           | Not available.                       |
| <b>Explosion limit upper:</b>                   | Not available.                       |
| <b>Explosion limit lower:</b>                   | Not available.                       |
| <b>Vapor pressure:</b>                          | Not available.                       |
| <b>Vapor density:</b>                           | 1                                    |
| <b>Density:</b>                                 | Not available.                       |
| <b>Relative density:</b>                        | 0.3 g/cm <sup>3</sup>                |
| <b>Solubilities:</b>                            | Partially soluble in water.          |
| <b>Partition coefficient (n-octanol/water):</b> | Not available.                       |
| <b>Auto/Self-ignition temperature:</b>          | Not available.                       |
| <b>Decomposition temperature:</b>               | Not available.                       |
| <b>Dynamic viscosity:</b>                       | Not available.                       |
| <b>Kinematic viscosity:</b>                     | Not available.                       |
| <b>Explosive properties</b>                     | Not available.                       |
| <b>Oxidizing properties</b>                     | Not available.                       |

#### Other information

### SECTION 10: Stability and reactivity

#### Reactivity:

Does not react under normal conditions of use and storage.

#### Chemical stability:

Stable under normal conditions of use and storage.

#### Possibility of hazardous reactions:

None under normal conditions of use and storage.

#### Conditions to avoid:

None known.

#### Incompatible materials:

Hydrofluoric Acid

#### Hazardous decomposition products:

None known.

### SECTION 11: Toxicological information

#### Acute toxicity

**Assessment:** Based on available data, the classification criteria are not met.

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**Product data:** No data available.

**Substance data:**

| Name                      | Route | Result                                |
|---------------------------|-------|---------------------------------------|
| Tetrasodium Pyrophosphate | oral  | LD50 Female Rat: > 300 - <2,000 mg/kg |

#### Skin corrosion/irritation

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

#### Serious eye damage/irritation

**Assessment:** Causes serious eye damage

**Product data:**

No data available.

**Substance data:**

| Name                      | Result                      |
|---------------------------|-----------------------------|
| Tetrasodium Pyrophosphate | Risk of serious eye damage. |

#### Respiratory or skin sensitization

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

#### Carcinogenicity

**Assessment:** May cause cancer

**Product data:** No data available.

**Substance data:**

| Name                                   | Species   | Result                                     |
|--|---|--|
| Silicon Dioxide - Crystalline - Quartz |   | Component may cause cancer.                |
| Magnesium Oxide                        | American Conference of Governmental Industrial Hygienists | A4: Not classifiable as a human carcinogen |

#### International Agency for Research on Cancer (IARC):

| Name   | Classification                   |
|--|----------------------------------|
| Silicon Dioxide - Crystalline - Quartz           | Group 1 - Carcinogenic to humans |
| Silicon Dioxide - Amorphous - Diatomaceous Earth | Group 3                          |

#### National Toxicology Program (NTP):

| Name   | Classification                |
|--|-------------------------------|
| Silicon Dioxide - Crystalline - Cristobalite | Known to be human carcinogens |
| Silicon Dioxide - Crystalline - Quartz       | Known to be human carcinogens |

#### Germ cell mutagenicity



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### Patterson Algitec Alginate Impression Material

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

#### Reproductive toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

#### Specific target organ toxicity (single exposure)

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

#### Specific target organ toxicity (repeated exposure)

**Assessment:** Causes damage to organs through prolonged or repeated exposure

**Product data:**

No data available.

**Substance data:**

| Name   | Result   |
|--|--|
| Silicon Dioxide - Crystalline - Cristobalite | Component affects the lungs through repeated exposure. |
| Silicon Dioxide - Crystalline - Quartz       | Component affects the lungs through repeated exposure. |

#### Aspiration toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:**

No data available.

**Substance data:** No data available.

#### Information on likely routes of exposure:

No data available.

#### Symptoms related to the physical, chemical and toxicological characteristics:

No data available.

**Other information:**

No data available.

### SECTION 12: Ecological information

#### Acute (short-term) toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

#### Chronic (long-term) toxicity

**Product data:** No data available.

**Substance data:** No data available.

#### Persistence and degradability

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### Patterson Algitec Alginate Impression Material

**Product data:** No data available.

**Substance data:** No data available.

#### Bioaccumulative potential

**Product data:** No data available.

**Substance data:** No data available.

#### Mobility in soil

**Product data:** No data available.

**Substance data:** No data available.

**Other adverse effects:** No data available.

### SECTION 13: Disposal considerations

#### Disposal methods:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities

### SECTION 14: Transport information

#### Canadian Transportation of Dangerous Goods (TDG)

|                               |               |
|-------------------------------|---------------|
| UN number                     | Not regulated |
| UN proper shipping name       | Not regulated |
| UN transport hazard class(es) | None          |
| Packing group                 | None          |
| Environmental hazards         | None          |
| Special precautions for user  | None          |

#### International Maritime Dangerous Goods (IMDG)

|                               |               |
|-------------------------------|---------------|
| UN number                     | Not regulated |
| UN proper shipping name       | Not regulated |
| UN transport hazard class(es) | None          |
| Packing group                 | None          |
| Environmental hazards         | None          |
| Special precautions for user  | None          |

#### International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

|                               |               |
|-------------------------------|---------------|
| UN number                     | Not regulated |
| UN proper shipping name       | Not regulated |
| UN transport hazard class(es) | None          |
| Packing group                 | None          |
| Environmental hazards         | None          |
| Special precautions for user  | None          |

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### Patterson Algitec Alginate Impression Material

#### Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

|                    |      |
|--------------------|------|
| Bulk Name          | None |
| Ship type          | None |
| Pollution category | None |

### SECTION 15: Regulatory information

#### Canada regulations

##### Domestic substances list (DSL):

|            |  |            |
|------------|--|------------|
| 14464-46-1 | Silicon Dioxide - Crystalline - Cristobalite     | Listed     |
| 14808-60-7 | Silicon Dioxide - Crystalline - Quartz           | Listed     |
| 68855-54-9 | Silicon Dioxide - Amorphous - Diatomaceous Earth | Listed     |
| 7722-88-5  | Tetrasodium Pyrophosphate                        | Listed     |
| 10101-41-4 | Calcium Sulfate                                  | Not Listed |
| 1309-48-4  | Magnesium Oxide                                  | Listed     |

**Non-domestic substances list (NDSL):** Not determined.

### SECTION 16: Other information

**Abbreviations and Acronyms:** None

#### Disclaimer:

This product has been classified in accordance with the Canadian Hazardous Products Regulations and WHMIS 2015. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

**NFPA:** 3-0-0

**HMIS:** 3-0-0

**Initial preparation date:** 11.21.2017

**End of Safety Data Sheet**