

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

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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: 14464-46-1	Silicon Dioxide - Crystalline - Cristobalite	<26
CAS number: 14808-60-7	Silicon Dioxide - Crystalline - Quartz	<3
CAS number: 68855-54-9	Silicon Dioxide - Amorphous - Diatomaceous Earth	<35
CAS number: 7722-88-5	Tetrasodium Pyrophosphate	<3
CAS number: 10101-41-4	Calcium Sulfate	<20
CAS number: 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 ³ (respirable)
	Silicon Dioxide - Crystalline - Quartz	14808-60-7	British Columbia OELs - 8-Hour TWA Exposure Value: 0.025 mg/m ³ (respirable)
	Silicon Dioxide - Crystalline - Quartz	14808-60-7	Manitoba OELs - 8-Hour TWA Exposure Limit: 0.025 mg/m ³ (respirable fraction)
	Silicon Dioxide - Crystalline - Quartz	14808-60-7	Ontario OELs - 8-Hour TWA Exposure Limit: 0.10 mg/m ³ (respirable fraction)
	Silicon Dioxide - Crystalline - Quartz	14808-60-7	Quebec OELs - 8-Hour TWA Exposure Value: 0.1 mg/m ³ (respirable)
	Silicon Dioxide - Crystalline - Quartz	14808-60-7	Saskatchewan OELs - 15 Minute Average Contamination Limit: 0.05 mg/m ³ (respirable fraction)
	Magnesium Oxide	1309-48-4	British Columbia OELs - 8-Hour TWA Exposure Value: 10 mg/m ³ (fume, inhalable)
	Magnesium Oxide	1309-48-4	Alberta OELs - 15-minute STEL: 10 mg/m ³ (fume)
	Magnesium Oxide	1309-48-4	British Columbia OELs - 8-Hour TWA Exposure Value: 3 mg/m ³ (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 ³ (respirable dust and fume, as Mg)
	Magnesium Oxide	1309-48-4	8-hour Exposure Limit (TLV-TWA): 10 mg/m ³ (inhalable fraction)
	Magnesium Oxide	1309-48-4	Ontario OELs - 8-Hour TWA Exposure Limit: 10 mg/m ³ (inhalable fraction)
	Magnesium Oxide	1309-48-4	Quebec OELs - 8-Hour TWA Exposure Value: 10 mg/m ³ (fumes, as Mg)
	Magnesium Oxide	1309-48-4	Saskatchewan OELs - 8 Hour Average Contamination Limit: 10 mg/m ³ (inhalable fraction)
	Magnesium Oxide	1309-48-4	Saskatchewan OELs - 15 Minute Average Contamination Limit: 20 mg/m ³ (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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Appearance (physical state, color):	Dry fluffy white to off-white powder
Odor:	Spearmint odor
Odor threshold:	Not available.
pH-value:	Not applicable.
Melting/Freezing point:	Not applicable.
Boiling point/range:	Not applicable.
Flash point:	Not applicable.
Evaporation rate:	Not applicable.
Flammability (solid, gaseous):	Not available.
Explosion limit upper:	Not available.
Explosion limit lower:	Not available.
Vapor pressure:	Not available.
Vapor density:	1
Density:	Not available.
Relative density:	0.3 g/cm ³
Solubilities:	Partially soluble in water.
Partition coefficient (n-octanol/water):	Not available.
Auto/Self-ignition temperature:	Not available.
Decomposition temperature:	Not available.
Dynamic viscosity:	Not available.
Kinematic viscosity:	Not available.
Explosive properties	Not available.
Oxidizing properties	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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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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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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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