

SAFETY DATA SHEETS

This SDS packet was issued with item:

070849034

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 070849042 070849059 070849067

Material Safety Data Sheet

1. Identification

Product Name Patterson Algitec Alginate Impression Material	Item Code Number 070848978, 070848994, 070849026, 070849034, 070849042, 070849059, 070849067
Substance Identity Alginate Impression Material	Date of Last Revision 09/11/12
Manufacturer: PATTERSON COMPANIES, INC.	Address 1031 Mendota Heights Road; St. Paul, Mn 55120 www.pattersoncompanies.com
Grades or Minor Variant Identities Fast Set and Regular Set	Information Telephone Number Tel: 1-800-328-5536; Fax: 1-651-686-9331
Product Use Dental Alginate Impression Material	Emergency Telephone Number 24-Hour Emergency Response Number: (800) 424-9300.

2. Hazard(s) Identification



Danger

**May cause cancer by inhalation
May cause damage to lungs through
prolonged or repeated exposure**



Warning

Causes skin irritation

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Use personal protective equipment required.
If exposed or concerned: Get medical attention.
Store locked up.
Dispose of contents/container in accordance with local regulations
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 ³	< than 26
Silicon Dioxide - Crystalline -Quartz	14808-60-7	0.025 mg/M ³	< than 3
Silicon Dioxide – Amorphous - Diatomaceous Earth	68855-54-9	0.1 mg/M ³	< than 35
Calcium Sulfate	10101-41-4	10 mg/M ³	< than 20
Magnesium Oxide	1309-48-4	10 mg/M ³	< than 7
Tetrasodium Pyrophosphate	7722-88-5	5 mg/M ³	< than 3

Colorant Information: Fast Set Product contains D & C Red # 30 Aluminum Lake as colorant.

Regular Set Product contains synthetic Yellow Iron Oxide as colorant.

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	Not Applicable	Not Applicable

	thoroughly		
Inhalation	Supply fresh air, consult physician if symptoms persist	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 (Group 1). 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 26 % free crystalline silica (Cristobalite) and up to 3% 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).
Ingestion	If symptoms persist consult physician	Not Applicable	Low order of toxicity is expected when material is ingested.
Other	Not Applicable	Not Applicable	Not Applicable
Note to Physicians (Treating, Testing and Monitoring): Treat symptomatically.			

5. Fire and Explosion Data

Flashpoint Method: Not Applicable	Flammable (Explosive) Limits in Air LEL: Not Applicable UEL: Not Applicable	Autoignition Temperature: Not Applicable	Other: Not Applicable
Flame Propagation or Burning Rate (for Solids): Not Applicable	Properties Contributing to Fire Intensity: Not Applicable	Flammability Classification: Not Applicable	
Extinguishing Media: Not Applicable		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: In common with most inorganic / organic materials, this product should be treated as a combustible dust in the finely divided and suspended state. No dangerous decomposition products known. - Product does not present an explosion hazard.			

6. Accidental Release Measures

Containment Techniques: Material is a dry fluffy powder, which is colored pale yellow or pink. 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. 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 MSDS/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



Ventilation: Ensure adequate ventilation, by either natural or mechanical means to keep dust level below PEL.		Other Engineering Controls: Not Applicable
Routes of Entry	Personal Protective Equipment (PPE) for Normal Use	PPE 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 powder. May be colored pink or light yellow.	Odor: Spearmint odor.	
Normal Physical State: Dry fluffy powder.	Melting Point: Not Applicable	
Specific Gravity: 0.3 g/cm ³	Solubility in Water: Partially soluble	pH: Not Applicable
Vapor Pressure (mm Hg): Not Applicable	Vapor Density (AIR=1):	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: ☐ May Occur ☒ May Not Occur	Conditions to Avoid: None known	
Stability? ☒ Stable ☐ Unstable	Conditions to Avoid: None known	

11.Toxicological Information

Toxicity Data, Epidemiology Studies, Carcinogenicity, Neurological Effects, Genetic Effects, Reproductive Effects, or Structure Activity Data: 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 26 % free crystalline silica (Cristobalite). 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). The dry product may irritate the skin by drying it out.					
Emergency Overview: Inhalation of crystalline silica has been classified by IARC as carcinogenic for humans (Group 1). 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 26 % crystalline silica (Cristobalite) and up to 3% 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).					
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 an irritant	Single & Repeated	Moderate	Irritation or possible allergic response.	Not Applicable
Inhalation	Transitory upper respiratory irritation or eye irritation.	Single & Repeated	Moderate	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 26 % free crystalline silica (Cristobalite) and up to 3 % 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).	Lung
Ingestion	Material is probably not harmful if swallowed	Not Applicable	Mild	Low order of toxicity is expected when material is ingested.	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?: Yes Group 1 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 = 3, Fire = 0, Reactivity = 0					

12.Ecological Information

Toxicity Data, Environmental Fate, Physical/Chemical Data, or other Data Supporting Environmental Hazard Statements: Water Hazard class1 (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.

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> :
Warning: This product contains silica, crystalline (airborne particles of respirable size) which is known by the State of California to cause cancer.
<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.

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.

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific products features and shall not establish a legally valid contractual relationship.

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.

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

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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: Dental Alginate Impression Material

Uses advised against: Not determined or not applicable.

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

Manufacturer or supplier details

Manufacturer:

Patterson Companies, Inc.
1031 Mendota Heights Rd.
St. Paul, MN 55120
+1 800-328-5536

Emergency telephone number:

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(s) identification

GHS classification:

Serious eye damage, category 1.

Specific target organ toxicity - repeated exposure, category 1.

Carcinogenicity, category 1A.

Label elements

Hazard pictograms:



Signal word: Danger

Hazard statements:

H318 Causes serious eye damage

H372 Causes damage to organs through prolonged or repeated exposure

H350 May cause cancer

Precautionary statements:

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.

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

P305+P351+P338+P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

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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: 68855-54-9	Silicon Dioxide - Amorphous - Diatomaceous Earth	<35
CAS number: 14808-60-7	Silicon Dioxide - Crystalline -Quartz	<3
CAS number: 10101-41-4	Calcium Sulfate	<20
CAS number: 1309-48-4	Magnesium Oxide	<7
CAS number: 7722-88-5	Tetrasodium Pyrophosphate	<3

Additional Information:

Fast Set Product contains D & C Red # 30 Aluminum Lake as colorant. Regular Set Product contains synthetic Yellow Iron Oxide as colorant.

SECTION 4: First aid measures

Description of first aid measures

General notes:

No additional information.

After inhalation:

Loosen clothing as necessary and position individual in a comfortable position.

Maintain an unobstructed airway.

After skin contact:

Rinse affected area with soap and water.

If symptoms develop or persist, seek medical attention.

After eye contact:

Rinse/flush exposed eye(s) gently using water for 15-20 minutes.

Remove contact lens(es) if able to do so during rinsing.

Immediately call a POISON CONTROL CENTER or seek medical attention.

After swallowing:

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:

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Irritation and soreness in throat and nose.

In extreme exposures some congestion may occur if inhaled.

This product contains crystalline silica, which has been classified by IARC as carcinogenic for humans (Group 1).

Long term, unprotected exposure to dust levels in excess of the TLV or PEL may cause lung disease (silicosis).

Immediate medical attention and special treatment

Specific treatment:

Not determined or not available.

Notes for the doctor:

No additional information.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media:

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

Unsuitable extinguishing media:

Do not use water as an extinguisher.

Specific hazards during fire-fighting:

Thermal decomposition can lead to release of irritating gases and vapors.

Special protective equipment for firefighters:

Wear protective eye wear, gloves and clothing.

Refer to Section 8.

Special precautions:

Avoid inhaling gases, fumes, dust, mist, vapor and aerosols.

Avoid contact with skin, eyes and clothing.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Wear protective eye wear, gloves and clothing.

Ensure adequate ventilation.

Ensure air handling systems are operational.

Environmental precautions:

Should not be released into the environment.

Prevent from reaching drains, sewer or waterway.

Methods and material for containment and cleaning up:

Wear protective eye wear, gloves and clothing.

Reference to other sections:

None

SECTION 7: Handling and storage

Precautions for safe handling:

Do not eat, drink, smoke or use personal products when handling chemical substances.

Minimize dust generation and accumulation.

Avoid breathing dust.

Conditions for safe storage, including any incompatibilities:

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Store in a cool, well-ventilated area.
Stone only in the original package.
Keep package tightly sealed.
Protect from exposure to direct sunlight.
Store away from foodstuffs.

SECTION 8: Exposure controls/personal protection

Occupational Exposure limit values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
ACGIH	Silicon Dioxide -Crystalline - Cristobalite	14464-46-1	TLV TWA 0.05 mg/m ³ (respirable fraction)
	Tetrasodium Pyrophosphate	7722-88-5	TLV TWA 5.0 mg/m ³
	Silicon Dioxide - Crystalline -Quartz	14808-60-7	ACGIH TLV TWA 0.025 mg/m ³ (Respirable fraction)
	Calcium Sulfate	10101-41-4	TLV TWA 10.0 mg/m ³
	Magnesium Oxide	1309-48-4	ACGIH TLV 8Hr TWA: 10.0 mg/m ³ , inhalable fraction
NIOSH	Tetrasodium Pyrophosphate	7722-88-5	REL TWA 5.0 mg/m ³
	Silicon Dioxide - Crystalline -Quartz	14808-60-7	NIOSH TWA 0.05 mg/m ³
	Magnesium Oxide	1309-48-4	NIOSH IDLH: 750 mg/m ³
United States (OSHA)	Silicon Dioxide - Crystalline -Quartz	14808-60-7	OSHA Z-3 TWA 0.1 mg/m ³ (Respirable fraction); 0.3 mg/m ³ (Total dust)
	Calcium Sulfate	10101-41-4	TWA 5.0 mg/m ³ (Respirable Fraction); 15.0 mg/m ³ (Total dust) Table Z-1 Limits for Air Contaminants
	Magnesium Oxide	1309-48-4	OSHA PEL (TWA): 10.0 mg/m ³

Biological limit value:

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

Information on monitoring procedures:

Not determined or not applicable.

Appropriate engineering controls:

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

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.

Respiratory protection:

When necessary, use NIOSH-approved breathing equipment.

General hygienic measures:

Wash hands before breaks and at the end of work.
Avoid contact with skin, eyes and clothing.

SECTION 9: Physical and chemical properties

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Information on basic physical and chemical properties

Appearance	Pink to light yellow colored dry fluffy powder
Odor	Spearmint
Odor threshold	Not determined or not available.
pH	Not determined or not available.
Melting point/freezing point	Not determined or not available.
Initial boiling point/range	Not determined or not available.
Flash point (closed cup)	Not determined or not available.
Evaporation rate	Not determined or not available.
Flammability (solid, gas)	Not determined or not available.
Upper flammability/explosive limit	Not determined or not available.
Lower flammability/explosive limit	Not determined or not available.
Vapor pressure	Not determined or not available.
Vapor density	Not determined or not available.
Density	Not determined or not available.
Relative density	0.3 g/cm ³
Solubilities	Partially soluble in water.
Partition coefficient (n-octanol/water)	Not determined or not available.
Auto/Self-ignition temperature	Not determined or not available.
Decomposition temperature	Not determined or not available.
Dynamic viscosity	Not determined or not available.
Kinematic viscosity	Not determined or not available.
Explosive properties	Not determined or not available.
Oxidizing properties	Not determined or 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

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

Product data: No data available.

Substance data: No data available.

Reproductive toxicity

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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.

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

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

Product data: No data available.

Substance data: No data available.

Persistence and degradability

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 information available.

SECTION 13: Disposal considerations

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Disposal methods:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities. (US 40CFR262.11).

SECTION 14: Transport information

United States Transportation of dangerous goods (49 CFR DOT)

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

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

United States regulations

Inventory listing (TSCA):

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

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7722-88-5	Tetrasodium Pyrophosphate	Listed
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Significant New Use Rule (TSCA Section 5): Not listed

Export notification under TSCA Section 12(b): Not listed

SARA Section 311/312 hazards:

Acute	Chronic	Fire	Pressure	Reactive
Yes	Yes	No	No	No

SARA Section 302 extremely hazardous substances: Not listed

SARA Section 313 toxic chemicals: Not listed

CERCLA: Not listed

RCRA: Not listed

Section 112(r) of the Clean Air Act (CAA): Not listed

Massachusetts Right to Know:

14464-46-1	Silicon Dioxide -Crystalline - Cristobalite	Listed
14808-60-7	Silicon Dioxide - Crystalline -Quartz	Listed
1309-48-4	Magnesium Oxide	Listed
7722-88-5	Tetrasodium Pyrophosphate	Listed

New Jersey Right to Know: Not listed

New York Right to Know:

1309-48-4	Magnesium Oxide	Listed
7722-88-5	Tetrasodium Pyrophosphate	Listed

Pennsylvania Right to Know:

14464-46-1	Silicon Dioxide -Crystalline - Cristobalite	Listed
14808-60-7	Silicon Dioxide - Crystalline -Quartz	Listed
1309-48-4	Magnesium Oxide	Listed
7722-88-5	Tetrasodium Pyrophosphate	Listed

California Proposition 65:

WARNING: This product contains a chemical known to the State of California to cause cancer.

14808-60-7	Silicon Dioxide - Crystalline -Quartz
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SECTION 16: Other information

Abbreviations and Acronyms: None

Disclaimer: This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations. The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations applicable to this material.

NFPA: 3-0-0

HMIS: 3-0-0

Initial preparation date: 05.18.2017

End of Safety Data Sheet

Fiche de données de sécurité

Selon la réglementation canadienne concernant les produits dangereux et SIMDUT 2015

Date de préparation initiale : 05.18.2017

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Matériau à empreinte à l'alginate Patterson Algitech

SECTION 1 : Identification

Identificateur du produit

Nom du produit : Matériau à empreinte à l'alginate Patterson Algitech

Code produit : 070848978, 070848994, 070849026, 070849034, 070849042, 070849059, 070849067

Informations supplémentaires: Grades ou variantes mineures : Prise rapide et Prise normale



Utilisations recommandées du produit et restrictions d'utilisation

Utilisations identifiées pertinentes : Matériau à empreinte à l'alginate

Utilisations déconseillées : Non déterminé ou non disponible

Raisons pour lesquelles les utilisations sont déconseillées : Non déterminé ou non disponible

Détails du fabricant ou fournisseur

Fabricant:

Patterson Companies, Inc.
1031 Mendota Heights Rd.
St. Paul, MN 55120
+1 800-328-5536

Ligne d'urgence :

CHEMTREC

A l'intérieur des É.U. et du Canada : 1-800-424-9300 (CHEMTREC, 24 heures)

À l'extérieur des É.U. et du Canada +1-703-527-3887 (CHEMTREC, 24 heures)

SECTION 2 : Identification de danger

Classification SGH :

Troubles sévères des yeux, catégorie 1.

Toxicité spécifique pour l'organe cible - exposition répétée, catégorie 1.

Cancérogénicité, catégorie 1A.

Éléments d'étiquetage

Pictogrammes de danger :



Mentions d'avertissement : Danger

Mentions de danger :

H318 Provoque des lésions oculaires graves

H372 Provoque des dommages graves aux organes suite à une exposition répétée ou prolongée

H350 Risque de causer le cancer

Déclarations de mise en garde :

P201 Demander des instructions spéciales avant l'utilisation.

P202 Ne pas manipuler avant que toutes les précautions aient été lues et comprises.

P260 Ne pas respirer la poussière/les émanations/le gaz/le brouillard/les vapeurs/les pulvérisations.

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Matériau à empreinte à l'alginate Patterson Algitech

P264 Bien se laver la peau après utilisation.

P270 Ne pas manger, boire ou fumer en manipulant ce produit.

P280 Porter des gants de protection/des vêtements de protection/un équipement de protection des yeux/une protection du visage.

P305+P351+P338+P310 SI DANS LES YEUX : Rincer prudemment avec de l'eau durant plusieurs minutes. Enlever les verres de contact s'il y a lieu et si cela peut être fait facilement. Continuer à rincer. Appeler immédiatement un CENTRE ANTIPOISON ou un médecin ou du personnel médical.

P308+P313 En cas d'exposition ou si concerné : Obtenir des soins médicaux.

P405 Stocker dans un endroit fermé à clé.

P501 Éliminer le contenu et récipient comme indiqué dans Section 13.

Dangers non classés par ailleurs :

Aucun(e)

SECTION 3 : Composition/Informations relatives aux ingrédients

Identification	Nom	Poids %
Numéro CAS : 14464-46-1	Dioxyde de silicium - Cristalline - Cristobalite	<26
Numéro CAS : 68855-54-9	Dioxyde de silicium - Amorphe - Terre de diatomées	<35
Numéro CAS : 14808-60-7	Dioxyde de silicium - Cristalline - Quartz	<3
Numéro CAS : 10101-41-4	Sulfate de Calcium	<20
Numéro CAS : 1309-48-4	Oxyde de magnésium	<7
Numéro CAS : 7722-88-5	Pyrophosphate tétrasodique	<3

Informations supplémentaires: Aucun(e)

SECTION 4 : Mesures de premiers soins

Description des mesures de premier secours

Notes générales :

Aucune information additionnelle.

Après inhalation :

Détacher les vêtements et placer la personne en position confortable.

Maintenir les voies ariennes non obstruées.

Après un contact avec la peau :

Rincer la zone au savon et à l'eau.

Si des symptômes se développent ou persistent, consulter un médecin.

Après un contact avec les yeux :

Rincer les yeux exposé doucement avec de l'eau pendant 15 à 20 minutes.

Retirer les lentilles de contact si possible, pendant le rinçage.

Appeler immédiatement un CENTRE ANTIPOISON ou consulter un médecin.

Après ingestion :

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Matériau à empreinte à l'alginate Patterson Algitech

Rincer abondamment la bouche.

Consulter un médecin si l'irritation, l'inconfort ou le vomissement persiste.

Symptômes et effets les plus importants, aigus et retardés

Symptômes et effets aigus :

Non déterminé ou non disponible

Symptômes et effets retardés :

Irritation et douleur de la gorge et du nez.

En cas d'exposition extrême, une certaine congestion peut se produire en cas d'inhalation.

Ce produit contient de la silice cristalline, qui a été classé par le CIRC comme cancérigène pour les humains (groupe 1).

L'exposition non protégée à long terme à des niveaux de poussière supérieurs à la valeur seuil ou à la limite d'exposition admissible peut causer une maladie pulmonaire (silicose).

Soin médical immédiat et traitement spécial requis

Traitement spécifique :

Non déterminé ou non disponible

Notes pour le médecin :

Aucune information additionnelle.

SECTION 5 : Mesures de lutte contre l'incendie

Agent d'extinction

Moyens d'extinction appropriés :

Utiliser les agents extincteurs appropriés pour les matières combustibles adjacentes ou pour les sources d'allumage.

Agents d'extinction inappropriés :

Ne pas utiliser l'eau comme produit extincteur.

Dangers spécifiques pendant la lutte contre l'incendie :

La décomposition thermique peut provoquer le dégagement de gaz irritants et de vapeurs.

Équipement de protection spécial pour les pompiers :

Porter des lunettes, des gants et des vêtements de protection.

Voir Section 8.

Précautions particulières :

Éviter de respirer les gaz, les vapeurs, les poussières, les brumes, les émanations, les aérosols.

Éviter les contacts avec la peau, les yeux et les vêtements.

SECTION 6 : Mesures en cas de déversements accidentels

Précautions individuelles, équipement de protection et procédures d'urgence :

Porter des lunettes, des gants et des vêtements de protection.

Assurer une ventilation adéquate.

Veiller à ce que les systèmes de traitement de l'air soient opérationnels.

Précautions environnementales :

Ne devrait pas être libéré dans l'environnement.

Prévenir l'écoulement dans les canaux, les égouts et autres cours d'eau.

Méthodes et matériaux de confinement et de nettoyage :

Porter des lunettes, des gants et des vêtements de protection.

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Matériau à empreinte à l'alginate Patterson Algitech

Référence à d'autres sections :

Aucun(e)

SECTION 7 : Manutention et entreposage

Précautions à prendre pour une manipulation en toute sécurité :

Ne pas manger, boire, fumer ou utiliser des produits personnels lors de la manipulation de substances chimiques.

Minimiser la génération et l'accumulation de poussière.

Éviter de respirer les poussières.

Conditions pour un stockage sûr, y compris les éventuelles incompatibilités :

Entreposer dans un endroit froid et bien ventilé.

Conserver uniquement dans l'emballage d'origine.

Garder l'emballage hermétiquement fermé.

Protéger de l'exposition à la lumière directe du soleil.

Entreposer loin d'aliments.

SECTION 8 : Contrôle de l'exposition/protection individuelle

Valeurs limites d'exposition professionnelle:

Pays (base juridique)	Substance	Identificatio n	Concentration autorisée
ACGIH	Dioxyde de silicium - Cristalline - Cristobalite	14464-46-1	VLS MPT 0,05 mg/m ³ (fraction respirable)
	Pyrophosphate tétrasodique	7722-88-5	VLS MPT 5,0 mg/m ³
	Dioxyde de silicium - Cristalline - Quartz	14808-60-7	ACGIH VLS MPT 0,025 mg/m ³ (fraction respirable)
	Sulfate de Calcium	10101-41-4	VLS MPT 10,0 mg/m ³
	Oxyde de magnésium	1309-48-4	ACGIH VLS 8 Heures MPT: 10,0 mg/m ³ , fraction inhalable
NIOSH	Pyrophosphate tétrasodique	7722-88-5	LER MPT 5,0 mg/m ³
	Dioxyde de silicium - Cristalline - Quartz	14808-60-7	NIOSH MPT 0,05 mg/m ³
	Oxyde de magnésium	1309-48-4	NIOSH IDLH : 750 mg/m ³
United States (OSHA)	Dioxyde de silicium - Cristalline - Quartz	14808-60-7	OSHA Z-3 MPT 0,1 mg/m ³ (Fraction respirable) ; 0,3 mg/m ³ (poussière totale)
	Sulfate de Calcium	10101-41-4	MPT 5,0 mg/m ³ (fraction respirable); 15.0 mg/m ³ (Poussière totale) Tableau Z-1 Limites pour les contaminants dans l'air
	Oxyde de magnésium	1309-48-4	OSHA LEP (MPT) : 10,0 mg/m ³

Valeur limite biologique:

Aucune limite d'exposition biologique notée pour les ingrédients.

Information sur les procédures de suivi:

Non déterminé ou non disponible

Contrôles techniques appropriés :

Des douches oculaires d'urgence et des douches de sécurité doivent être accessibles dans les environs immédiats de l'utilisation ou du maniement.

Fiche de données de sécurité

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Matériau à empreinte à l'alginate Patterson Algitech

Équipement de protection individuelle

Protection des yeux et du visage:

Masque ou lunettes de sécurité ou une protection appropriée des yeux.

Protection corporelle et cutanée:

Choisir un matériau de gants imperméable et résistant à la substance.

Protection respiratoire:

Toujours utiliser un appareil de protection respiratoire homologué par le NIOSH lorsque nécessaire.

Mesures générales d'hygiène :

Se laver les mains avant les pauses de travail et à la fin du travail.

Éviter les contacts avec la peau, les yeux et les vêtements.

SECTION 9 : Propriétés physiques et chimiques

Informations sur les propriétés de base physiques et chimiques

Apparence (état physique, couleur) :	Poudre sèche légère rose à jaune pâle
Odeur :	Menthe verte
Seuil d'odeur :	Non déterminé ou non disponible
Valeur pH :	Non déterminé ou non disponible
Point de fusion / point de congélation :	Non déterminé ou non disponible
Point/intervalle d'ébullition :	Non déterminé ou non disponible
Point d'éclair :	Non déterminé ou non disponible
Taux d'évaporation :	Non déterminé ou non disponible
Inflammabilité (solide, gazeux) :	Non déterminé ou non disponible
Limite d'explosion supérieure :	Non déterminé ou non disponible
Limite d'explosion inférieure :	Non déterminé ou non disponible
Pression de vapeur :	Non déterminé ou non disponible
Densité de vapeur :	Non déterminé ou non disponible
Densité :	Non déterminé ou non disponible
Densité relative :	0,3 g/cm ³
Solubilités :	Partiellement soluble à l'eau
Coefficient de partage (n-octanol/eau) :	Non déterminé ou non disponible
Température d'autoinflammation :	Non déterminé ou non disponible
Température de décomposition :	Non déterminé ou non disponible
Viscosité dynamique :	Non déterminé ou non disponible
Viscosité cinématique :	Non déterminé ou non disponible
Propriétés explosives	Non déterminé ou non disponible
Propriétés comburantes	Non déterminé ou non disponible

Informations supplémentaires

SECTION 10 : Stabilité et réactivité

Réactivité :

Ne réagit pas dans des conditions normales d'utilisation et de stockage.

Stabilité chimique :

Fiche de données de sécurité

Selon la réglementation canadienne concernant les produits dangereux et SIMDUT 2015

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Matériau à empreinte à l'alginate Patterson Algitech

Stable dans des conditions normales d'utilisation et d'entreposage.

Possibilité de réactions dangereuses :

Stable dans des conditions normales d'utilisation et de stockage.

Conditions à éviter :

Aucun connu.

Matériaux incompatibles :

Acide fluorhydrique.

Produits de décomposition dangereux :

Aucun connu.

SECTION 11 : Informations toxicologiques

Toxicité aiguë

Évaluation: Basé sur les données disponibles, les critères de classification ne sont pas remplis.

Données sur le produit : Aucune donnée disponible.

Données sur la substance :

Nom	Voie	Résultat
Pyrophosphate tétrasodique	orale	DL50 Rat femelle : > 300 - <2.000 mg/kg

Corrosion/irritation de la peau

Évaluation: Basé sur les données disponibles, les critères de classification ne sont pas remplis.

Données sur le produit : Aucune donnée disponible.

Données sur la substance : Aucune donnée disponible.

Dommages/irritations oculaires sévères

Évaluation: Provoque des lésions oculaires graves

Données sur le produit : Aucune donnée disponible.

Données sur la substance :

Nom	Résultat
Pyrophosphate tétrasodique	Risque de lésions oculaires graves.

Sensibilisation respiratoire ou de la peau

Évaluation: Basé sur les données disponibles, les critères de classification ne sont pas remplis.

Données sur le produit : Aucune donnée disponible.

Données sur la substance : Aucune donnée disponible.

Cancérogénicité

Évaluation: Risque de causer le cancer

Données sur le produit : Aucune donnée disponible.

Données sur la substance :

Nom	Espèce	Résultat
Dioxyde de silicium - Cristalline - Quartz		Le composant peut provoquer un cancer.
Oxyde de magnésium	Colloque américain des hygiénistes industriels gouvernementaux	A4 : Non classable comme cancérigène éventuel chez l'homme

Centre international de recherche sur le cancer (IARC)

Fiche de données de sécurité

Selon la réglementation canadienne concernant les produits dangereux et SIMDUT 2015

Date de préparation initiale : 05.18.2017

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Matériau à empreinte à l'alginate Patterson Algitech

Nom	Classification
Dioxyde de silicium - Cristalline - Quartz	Groupe 1 -Cancérigène pour les humains
Dioxyde de silicium - Amorphe - Terre de diatomées	Groupe 3

Programme national de toxicologie (PNT) :

Nom	Classification
Dioxyde de silicium - Cristalline - Cristobalite	Reconnu comme étant cancérigène pour l'homme
Dioxyde de silicium - Cristalline - Quartz	Reconnu comme étant cancérigène pour l'homme

Mutagenicité cellulaire germinale

Évaluation: Basé sur les données disponibles, les critères de classification ne sont pas remplis.

Données sur le produit : Aucune donnée disponible.

Données sur la substance : Aucune donnée disponible.

Toxicité reproductrice

Évaluation: Basé sur les données disponibles, les critères de classification ne sont pas remplis.

Données sur le produit : Aucune donnée disponible.

Données sur la substance : Aucune donnée disponible.

Toxicité spécifique pour l'organe cible (exposition unique)

Évaluation: Basé sur les données disponibles, les critères de classification ne sont pas remplis.

Données sur le produit : Aucune donnée disponible.

Données sur la substance : Aucune donnée disponible.

Toxicité spécifique pour l'organe cible (exposition répétée)

Évaluation: Provoque des dommages graves aux organes suite à une exposition répétée ou prolongée

Données sur le produit : Aucune donnée disponible.

Données sur la substance :

Nom	Résultat
Dioxyde de silicium - Cristalline - Cristobalite	Le composant affecte les poumons par une exposition répétée.
Dioxyde de silicium - Cristalline - Quartz	Le composant affecte les poumons par une exposition répétée.

Toxicité par aspiration

Évaluation: Basé sur les données disponibles, les critères de classification ne sont pas remplis.

Données sur le produit : Aucune donnée disponible.

Données sur la substance : Aucune donnée disponible.

Informations sur les voies d'exposition probables : Aucune donnée disponible.

Symptômes liés aux caractéristiques physiques, chimiques et toxicologiques : Aucune donnée disponible.

Autres informations : Aucune donnée disponible.

SECTION 12 : Informations écologiques

Toxicité aiguë (court terme)

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Date de préparation initiale : 05.18.2017

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Matériau à empreinte à l'alginate Patterson Algitech

Évaluation: Basé sur les données disponibles, les critères de classification ne sont pas remplis.

Données sur le produit : Aucune donnée disponible.

Données sur la substance : Aucune donnée disponible.

Toxicité chronique (à long terme)

Évaluation: Basé sur les données disponibles, les critères de classification ne sont pas remplis.

Données sur le produit : Aucune donnée disponible.

Données sur la substance : Aucune donnée disponible.

Persistance et dégradabilité

Données sur le produit : Aucune donnée disponible.

Données sur la substance : Aucune donnée disponible.

Potentiel bioaccumulatif

Données sur le produit : Aucune donnée disponible.

Données sur la substance : Aucune donnée disponible.

Mobilité dans le sol

Données sur le produit : Aucune donnée disponible.

Données sur la substance : Aucune donnée disponible.

Autres effets indésirables:

Renseignements non disponibles.

SECTION 13 : Précautions pour l'élimination

Méthodes d'élimination :

Il ressort de la responsabilité du producteur de déchets de caractériser correctement tous les déchets conformément aux entités réglementaires applicables. (US 40CFR262.11).

SECTION 14 : Informations relatives au transport

Transport des marchandises dangereuses du Canada (TDG)

N° UN	Non réglementé
Nom d'expédition approprié UN	Non réglementé
Classe(s) de danger UN pour le transport	Aucun(e)
Groupe d'emballage	Aucun(e)
Risques environnementaux	Aucun(e)
Précautions particulières pour l'utilisateur	Aucun(e)

Code maritime international pour les marchandises dangereuses (IMDG)

N° UN	Non réglementé
Nom d'expédition approprié UN	Non réglementé
Classe(s) de danger UN pour le transport	Aucun(e)
Groupe d'emballage	Aucun(e)
Risques environnementaux	Aucun(e)

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Matériau à empreinte à l'alginate Patterson Algitech

Précautions particulières pour l'utilisateur	Aucun(e)
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Réglementation des marchandises dangereuses de l'Association du Transport Aérien International (IATA-DGR)

N° UN	Non réglementé
Nom d'expédition approprié UN	Non réglementé
Classe(s) de danger UN pour le transport	Aucun(e)
Groupe d'emballage	Aucun(e)
Risques environnementaux	Aucun(e)
Précautions particulières pour l'utilisateur	Aucun(e)

Transport en vrac conformément à l'annexe II de la convention Marpol 73/78 et au recueil IBC	
Nom en vrac	Aucun(e)
Type de navire	Aucun(e)
Catégorie de pollution	Aucun(e)

SECTION 15 : Informations réglementaires

Réglementations du Canada

Liste intérieure des substances (DSL) :

14464-46-1	Dioxyde de silicium - Cristalline - Cristobalite	répertorié
14808-60-7	Dioxyde de silicium - Cristalline - Quartz	répertorié
68855-54-9	Dioxyde de silicium - Amorphe - Terre de diatomées	répertorié
10101-41-4	Sulfate de Calcium	non répertorié
1309-48-4	Oxyde de magnésium	répertorié
7722-88-5	Pyrophosphate tétrasodique	répertorié

Liste extérieure des substances (NDSL) : non répertorié

SECTION 16 : Informations supplémentaires

Sigles et abréviations : Aucun(e)

Disclaimer:

Ce produit a été classé selon les critères de danger figurant dans les règlements sur les produits contrôlés et la FS contient tous les renseignements requis par les règlements sur les produits contrôlés. L'utilisateur est responsable de la sécurité du lieu de travail. L'utilisateur doit tenir compte des informations relatives

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Matériau à empreinte à l'alginate Patterson Algitech

aux risques pour la santé et pour la sécurité dans le présent document et prendre les précautions requises pour un travail individuel pour en instruire les employés et mettre au point des procédures de travail garantissant un environnement de travail sécuritaire. Les informations contenues ici sont exactes autant que nous sachions. Toutefois, comme les conditions de manutention et d'utilisation échappent à notre contrôle, nous ne saurions garantir les résultats et déclinons toute responsabilité pour les dommages causés par l'utilisation de cette matière. Il est de la responsabilité de l'utilisateur de se conformer à toutes les lois et réglementations applicables à cette matière.

NFPA : 3-0-0

HMIS : 3-0-0

Date de préparation initiale : 05.18.2017

Fin de la fiche signalétique de sécurité de produit

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

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 Companies, Inc.
1031 Mendota Heights Road
St. Paul, MN 55120
1-800-328-5536 Fax:1-651-686-9331

Emergency telephone number:

United States

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(s) 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

H350 May cause cancer

H372 Causes damage to organs through prolonged or repeated exposure

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 11.21.2017

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Patterson Algitec Alginate Impression Material

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 applicable.

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
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:

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

After swallowing:

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 applicable.

Delayed symptoms and effects:

Not determined or not applicable.

Immediate medical attention and special treatment

Specific treatment:

Not determined or not applicable.

Notes for the doctor:

Not determined or not applicable.

SECTION 5: Firefighting 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

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

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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
United States (OSHA)	Silicon Dioxide - Crystalline - Quartz	14808-60-7	OSHA Z-3 TWA 0.1 mg/m ³ (Respirable fraction); 0.3 mg/m ³ (Total dust)
	Magnesium Oxide	1309-48-4	OSHA PEL (TWA): 10.0 mg/m ³
	Calcium Sulfate	10101-41-4	TWA 5.0 mg/m ³ (Respirable Fraction); 15.0 mg/m ³ (Total dust) Table Z-1 Limits for Air Contaminants
ACGIH	Silicon Dioxide - Crystalline - Cristobalite	14464-46-1	TLV TWA 0.05 mg/m ³ (respirable fraction)
	Magnesium Oxide	1309-48-4	ACGIH TLV 8Hr TWA: 10.0 mg/m ³ , inhalable fraction
	Silicon Dioxide - Crystalline - Quartz	14808-60-7	ACGIH TLV TWA 0.025 mg/m ³ (Respirable fraction)
	Tetrasodium Pyrophosphate	7722-88-5	TLV TWA 5.0 mg/m ³
	Calcium Sulfate	10101-41-4	TLV TWA 10.0 mg/m ³
NIOSH	Magnesium Oxide	1309-48-4	NIOSH IDLH: 750 mg/m ³
	Silicon Dioxide - Crystalline - Quartz	14808-60-7	NIOSH TWA 0.05 mg/m ³
	Tetrasodium Pyrophosphate	7722-88-5	REL TWA 5.0 mg/m ³

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.

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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

Appearance	Dry fluffy white to off-white powder
Odor	Spearmint odor
Odor threshold	Not available.
pH	Not applicable.
Melting point/freezing point	Not applicable.
Initial boiling point/range	Not applicable.
Flash point (closed cup)	Not applicable.
Evaporation rate	Not applicable.
Flammability (solid, gas)	Not available.
Upper flammability/explosive limit	Not available.
Lower flammability/explosive limit	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.

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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.

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

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Name	Classification
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

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

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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

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

United States Transportation of dangerous goods (49 CFR DOT)

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

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Environmental hazards	None
Special precautions for user	None

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

United States regulations

Inventory listing (TSCA):

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

Significant New Use Rule (TSCA Section 5): Not determined.

Export notification under TSCA Section 12(b): Not determined.

SARA Section 302 extremely hazardous substances: Not determined.

SARA Section 313 toxic chemicals:

14808-60-7	Silicon Dioxide - Crystalline - Quartz	Not Listed
1309-48-4	Magnesium Oxide	Not Listed

CERCLA: Not determined.

RCRA: Not determined.

Section 112(r) of the Clean Air Act (CAA): Not determined.

Massachusetts Right to Know:

14464-46-1	Silicon Dioxide - Crystalline - Cristobalite	Listed
14808-60-7	Silicon Dioxide - Crystalline - Quartz	Listed
7722-88-5	Tetrasodium Pyrophosphate	Listed
1309-48-4	Magnesium Oxide	Listed

New Jersey Right to Know:

14808-60-7	Silicon Dioxide - Crystalline - Quartz	Listed
1309-48-4	Magnesium Oxide	Listed

New York Right to Know:

14808-60-7	Silicon Dioxide - Crystalline - Quartz	Not Listed
7722-88-5	Tetrasodium Pyrophosphate	Listed
1309-48-4	Magnesium Oxide	Listed

Pennsylvania Right to Know:

14464-46-1	Silicon Dioxide - Crystalline - Cristobalite	Listed
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14808-60-7	Silicon Dioxide - Crystalline - Quartz	Listed
7722-88-5	Tetrasodium Pyrophosphate	Listed
1309-48-4	Magnesium Oxide	Listed

California Proposition 65:

WARNING: This product contains a chemical known to the State of California to cause cancer.

14808-60-7	Silicon Dioxide - Crystalline - Quartz
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SECTION 16: Other information

Abbreviations and Acronyms: None

Disclaimer:

This product has been classified in accordance with OSHA HCS 2012 guidelines. 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

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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

Safety Data Sheet

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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

Safety Data Sheet

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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