

SAFETY DATA SHEETS

This SDS packet was issued with item:

072291862

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

072291789 078916872 078916873 078916875 078917794

The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).

078916874



Material Safety Data Sheet

Product Name: Patterson Nitrile Exam Gloves - Powder Free

Product Code: 070884403, 070884411, 070884429, 070884437, 070884445, 070884452

CAS#: Not Established

LAT/IACO Hazard Rating: Not Restricted

D.O.T. Rating: Not Restricted

Physical and Chemical Properties

Synthetic Rubber Co-Polymer Nitrile Blend

Color: Blue

Odor: N/A

Normal Precautions

Ventilation Not necessary under normal conditions

Equipment Not necessary

Spills/Clean Up Not necessary

Fire and Explosion

Stability Stable

Flash Point N/A

Extinguishing Media Foam, Carbon Dioxide, Water

Conditions to Avoid None

Incompatible Materials None

Other Precautions

Storage No special precautions necessary.
Keep at normal room temperature.

Safety Data Sheet

according to 29CFR1910/1200 and GHS Rev. 3

Effective date: 05.12.2015

Page 1 of 5

Patterson Nitrile

SECTION 1: Identification of the substance/mixture and of the supplier

Product name: Patterson Nitrile
Manufacturer/Supplier Article number: 070884403, 070884411, 070884429, 070884437, 070884445, 070884452

Recommended uses of the product and restrictions on use: Examination Gloves.

Manufacturer Details:

Patterson Companies, Inc.
1031 Mendota Heights Road
St. Paul, MN 55120
Tel: 703-527-3887



Supplier Details:

Patterson Companies, Inc.
1031 Mendota Heights Road
St. Paul, MN 55120
Tel: 703-527-3887

Emergency telephone number:

ChemTrec Inc: 1-800-424-9300, 703-527-3887 (CHEMTREC)

SECTION 2: Hazards identification

Classification of the substance or mixture:

Not classified for physical or health hazards under GHS.

Signal word: None.

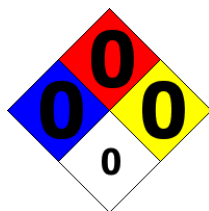
Hazard statements: None.

Precautionary statements:

- P101: If medical advice is needed, have product container or label at hand.
- P102: Keep out of reach of children.
- P103: Read label before use.

Other Non-GHS Classification:

NFPA/HMIS



NFPA SCALE (0-4)

Health	0
Flammability	0
Physical Hazard	0
Personal Protection	X

HMIS RATINGS (0-4)

0=Minimal Hazard; 1=Slight Hazard; 2=Moderate Hazard; 3=Serious Hazard; 4=Severe Hazard.

SECTION 3: Composition/information on ingredients

<u>CAS#:</u>	<u>Description:</u>	<u>Wt. %</u>
CAS 9005-98-5	Synthetic rubber nitrile (NBR)	90 %
CAS 7704-34-9	Sulfur	<10 %
CAS 1314-13-2	Zinc Oxide	<10 %
CAS N/A	Organic Accelerators	<10 %
CAS 13463-67-7	Titanium Oxide	<10 %
CAS N/A	Polymeric sterically hindered phenol	<10 %
CAS 1310-58-3	Potassium Hydroxide	<10 %

Percentages are by weight

Safety Data Sheet

according to 29CFR1910/1200 and GHS Rev. 3

Effective date: 05.12.2015

Page 2 of 5

Patterson Nitrile

SECTION 4: First aid measures

Description of first aid measures:

After inhalation: Loosen clothing as necessary and position individual in a comfortable position. Move exposed to fresh air. Give artificial respiration if necessary. If breathing is difficult give oxygen. Get medical assistance if cough or other symptoms appear.

After skin contact: Rinse/flush exposed skin gently using soap and water for 15-20 minutes. Seek medical advice if discomfort or irritation persists. Isolated cases of allergic reactions to latex rubber have been reported. This product contains natural rubber latex, which may cause allergic reactions.

After eye contact: Protect unexposed eye. Rinse/flush exposed eye(s) gently using water for 15-20 minutes. Remove contact lens(es) if able to do so during rinsing. Seek medical attention if irritation persists or if concerned.

After swallowing: Rinse mouth thoroughly. Do not induce vomiting. Seek medical attention if irritation, discomfort, or vomiting persists.

Most important symptoms and effects, both acute and delayed:

Irritation. Headache. Nausea. Shortness of breath.

Indication of any immediate medical attention and special treatment needed:

If seeking medical attention provide SDS document to physician. Physician should treat symptomatically.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing agents:

Use water, dry chemical, chemical foam, carbon dioxide, or alcohol-resistant foam.

For safety reasons unsuitable extinguishing agents: None identified.

Special hazards arising from the substance or mixture:

Material can burn generating irritating gases.

Advice for firefighters:

Protective equipment: Wear protective eyewear, gloves, and clothing. Refer to Section 8. Use NIOSH- approved respiratory protection/breathing apparatus.

Additional information (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:

Ensure adequate ventilation. Ensure that air-handling systems are operational.

Environmental precautions:

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

Methods and material for containment and cleaning up:

Always obey local regulations. Containerize for disposal. Refer to Section 13. Keep in suitable closed containers for disposal.

Reference to other sections:

SECTION 7: Handling and storage

Precautions for safe handling:

Follow proper disposal methods. Refer to Section 13. Do not eat, drink, smoke, or use personal products when handling chemical substances.

Conditions for safe storage, including any incompatibilities:

Store in a cool location. Keep away from food and beverages. Protect from freezing and physical damage. Store away from incompatible materials.

Safety Data Sheet

according to 29CFR1910/1200 and GHS Rev. 3

Effective date: 05.12.2015

Page 3 of 5

Patterson Nitrile

SECTION 8: Exposure controls/personal protection



Control Parameters:	1314-13-2, Zinc oxide, OSHA PEL; 5 mg/m3 TWA (fume); 15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction). 13463-67-7, Titanium Dioxide, OSHA PEL 15 mg/m3 TWA (total dust). 13463-67-7, Titanium Dioxide, ACGIH TLV; 10 mg/m3 TWA. 1310-58-3, Potassium hydroxide, ACGIH TLV; 2 mg/m3 Ceiling. 1310-58-3, Potassium hydroxide, OSHA PEL 2 mg/m3 Ceiling.
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.
Respiratory protection:	Not required under normal conditions of use.
Protection of skin:	Select glove material impermeable and resistant to the substance. Select glove material based on rates of diffusion and degradation. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Use proper glove removal technique without touching outer surface. Avoid skin contact with used gloves.
Eye protection:	Wear equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses or goggles are appropriate eye protection.
General hygienic measures:	Perform routine housekeeping. Wash hands before breaks and at the end of work. Avoid contact with skin, eyes, and clothing. Before wearing wash contaminated clothing.

SECTION 9: Physical and chemical properties

Appearance (physical state, color):	Blue.	Explosion limit lower:	Not Determined.
		Explosion limit upper:	Not Determined.
Odor:	Not available.	Vapor pressure:	Not available.
Odor threshold:	Not Determined.	Vapor density:	Not Determined.
pH-value:	Not Determined.	Relative density:	Not Determined.
Melting/Freezing point:	Not Determined.	Solubilities:	Insoluble in water.
Boiling point/Boiling range:	Not available.	Partition coefficient (n-octanol/water):	Not Determined.
Flash point (closed cup):	Not available.	Auto/Self-ignition temperature:	Not Determined.
Evaporation rate:	Not Determined.	Decomposition temperature:	Not Determined.
Flammability (solid, gaseous):	Not Determined.	Viscosity:	a. Kinematic: Not Determined. b. Dynamic: Not Determined.
Density: Not available			

SECTION 10: Stability and reactivity

Reactivity: Non-reactive under normal conditions.
Chemical stability: Stable under normal conditions.

Safety Data Sheet

according to 29CFR1910/1200 and GHS Rev. 3

Effective date: 05.12.2015

Page 4 of 5

Patterson Nitrile

Possible hazardous reactions: None under normal processing.

Conditions to avoid: Incompatible materials.

Incompatible materials: Strong acids, alkalies, and oxidizing agents.

Hazardous decomposition products: None identified.

SECTION 11: Toxicological information

Acute Toxicity:

Oral:	1314-13-2	LD50 Rat >5000 mg/kg (Source: IUCLID)
Dermal:	7704-34-9	Dermal LD50 Rabbit >2000 mg/kg (Source: IUCLID)
Inhalation:	7704-34-9	LC50 Rat >9.23 mg/L 4 h (Source: NLM_CIP)
Oral:	1310-58-3	LD50 Rat 284 mg/kg (Source: JAPAN_GHS)
Oral:	Titanium dioxide	LD50 Rat >10000 mg/kg (Source: IUCLID)

Chronic Toxicity: No additional information.

Corrosion Irritation: No additional information.

Sensitization: Rubber latex is a primary skin irritant and sensitizer, and causes local irritation when ingested.

Single Target Organ (STOT): No additional information.

Numerical Measures: No additional information.

Carcinogenicity: No additional information.

Mutagenicity: No additional information.

Reproductive Toxicity: No additional information.

SECTION 12: Ecological information

Ecotoxicity:

7704-34-9: 96 Hr LC50 Brachydanio rerio: 866 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: <14 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: >180 mg/L [static]

Persistence and degradability: Not determined.

Bioaccumulative potential: Not determined.

Mobility in soil: Not determined.

Other adverse effects: None identified.

SECTION 13: Disposal considerations

Waste disposal recommendations:

Dispose of empty containers as unused product. It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities (US 40CFR262.11). Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations. Ensure complete and accurate classification. Under normal conditions material is not regulated and can be disposed of with household waste.

SECTION 14: Transport information

UN-Number: Not Regulated.

UN proper shipping name: Not Regulated.

Transport hazard class(es): Not Regulated.

Packing group: Not Regulated.

Environmental hazard: Not Regulated.

Transport in bulk: Not Regulated.

Special precautions for user: Not Regulated.

Safety Data Sheet

according to 29CFR1910/1200 and GHS Rev. 3

Effective date: 05.12.2015

Page 5 of 5

Patterson Nitrile

SECTION 15: Regulatory information

United States (USA)

SARA Section 311/312 (Specific toxic chemical listings): None of the ingredient is listed.

SARA Section 313 (Specific toxic chemical listings): None of the ingredient is listed.

RCRA (hazardous waste code): None of the ingredient is listed.

TSCA (Toxic Substances Control Act): All ingredients are listed.

CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act): None of the ingredient is listed.

Proposition 65 (California):

Chemicals known to cause cancer: None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females: None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males: None of the ingredients is listed.

Chemicals known to cause developmental toxicity: None of the ingredients is listed.

Canada

Canadian Domestic Substances List (DSL): All ingredients are listed.

Canadian NPRI Ingredient Disclosure list (limit 0.1%): None of the ingredients is listed.

Canadian NPRI Ingredient Disclosure list (limit 1%): None of the ingredients is listed.

SECTION 16: Other information

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. **Note:** 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.

GHS Full Text Phrases:

Abbreviations and acronyms:

IMDG: International Maritime Code for Dangerous Goods.

PNEC: Predicted No-Effect Concentration (REACH).

CFR: Code of Federal Regulations (USA).

SARA: Superfund Amendments and Reauthorization Act (USA).

RCRA: Resource Conservation and Recovery Act (USA).

TSCA: Toxic Substances Control Act (USA).

NPRI: National Pollutant Release Inventory (Canada).

DOT: US Department of Transportation.

IATA: International Air Transport Association.

GHS: Globally Harmonized System of Classification and Labelling of Chemicals.

ACGIH: American Conference of Governmental Industrial Hygienists.

CAS: Chemical Abstracts Service (division of the American Chemical Society).

NFPA: National Fire Protection Association (USA).

HMIS: Hazardous Materials Identification System (USA).

WHMIS: Workplace Hazardous Materials Information System (Canada).

DNEL: Derived No-Effect Level (REACH).

Effective date: 05.12.2015

Last updated: 05.15.2015



Safety Data Sheet

According to Canadian Hazardous Products Regulations and WHMIS 2015

Initial preparation date: 11.28.2017

Page 1 of 9

Patterson Nitrile

SECTION 1: Identification

Product identifier

Product name: Patterson Nitrile

Product code: 070884403, 070884411, 070884429, 070884437,
070884445, 070884452

Recommended use of the product and restriction on use

Relevant identified uses: Examination Gloves.

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: Not a hazardous substance or mixture

Label elements

Hazard pictograms: None

Signal word: None

Hazard statements: None

Precautionary statements: None

Hazards not otherwise classified: None

SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
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Safety Data Sheet

According to Canadian Hazardous Products Regulations and WHMIS 2015

Initial preparation date: 11.28.2017

Page 2 of 9

Patterson Nitrile

CAS number: N/A	Organic Accelerators	10
CAS number: 7704-34-9	Sulfur	10
CAS number: 1314-13-2	Zinc oxide	10
CAS number: 1310-58-3	Potassium hydroxide	10
CAS number: 13463-67-7	Titanium Oxide	10
CAS number: 9005-98-5	Synthetic rubber nitrile (NBR)	90

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

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

Safety Data Sheet

According to Canadian Hazardous Products Regulations and WHMIS 2015

Initial preparation date: 11.28.2017

Page 3 of 9

Patterson Nitrile

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

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:

Safety Data Sheet

According to Canadian Hazardous Products Regulations and WHMIS 2015

Initial preparation date: 11.28.2017

Page 4 of 9

Patterson Nitrile

Country (Legal Basis)	Substance	Identifier	Permissible concentration
Canada	Sulfur	7704-34-9	Alberta OELs - 8-hour TWA: 10 mg/m ³
	Potassium hydroxide	1310-58-3	Alberta: 2.0 mg/m ³ (Ceiling)
	Potassium hydroxide	1310-58-3	British Columbia: 2.0 mg/m ³ (Ceiling)
	Potassium hydroxide	1310-58-3	Manitoba: 2.0 mg/m ³ (Ceiling)
	Potassium hydroxide	1310-58-3	Ontario: 2.0 mg/m ³ (Ceiling)
	Potassium hydroxide	1310-58-3	Quebec: 2.0 mg/m ³ (Ceiling)
	Potassium hydroxide	1310-58-3	Saskatchewan: 2.0 mg/m ³ (Ceiling)
	Zinc oxide	1314-13-2	Alberta OELs - 8-Hour TWA Exposure Limit: 2 mg/m ³ (Respirable)
	Zinc oxide	1314-13-2	Alberta OELs - 15-minute STEL: 10 mg/m ³ (Respirable)
	Zinc oxide	1314-13-2	British Columbia OELs - 8-Hour TWA Exposure Limit: 2 mg/m ³ (Respirable)
	Zinc oxide	1314-13-2	British Columbia OELs - 15-minute STEL: 10 mg/m ³ (Respirable)
	Zinc oxide	1314-13-2	Manitoba OELs - 8-Hour TWA Exposure Limit: 2 mg/m ³ (Respirable)
	Zinc oxide	1314-13-2	Manitoba OELs - 15-minute STEL: 10 mg/m ³ (Respirable)
	Zinc oxide	1314-13-2	Ontario OELs - 8-Hour TWA Exposure Limit: 2 mg/m ³ (Respirable)
	Zinc oxide	1314-13-2	Ontario OELs - 15-minute STEL: 10 mg/m ³ (Respirable)
	Zinc oxide	1314-13-2	Quebec OELs - 8-Hour TWA Exposure Value: 5 mg/m ³ (Fumes)
	Zinc oxide	1314-13-2	Quebec OELs - 15-minute STEL: 10 mg/m ³ (Fumes)
	Zinc oxide	1314-13-2	Saskatchewan OELs- 8 Hour Average Contamination Limit: 2 mg/m ³ [Fume and dust (respirable fraction)]
	Zinc oxide	1314-13-2	Saskatchewan OELs- 15 Minute Average Contamination Limit: 10 mg/m ³ [Fume and dust (respirable 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:

Safety Data Sheet

According to Canadian Hazardous Products Regulations and WHMIS 2015

Initial preparation date: 11.28.2017

Page 5 of 9

Patterson Nitrile

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

Appearance (physical state, color):	Blue
Odor:	Not determined or not available.
Odor threshold:	Not determined or not available.
pH-value:	Not determined or not available.
Melting/Freezing point:	Not determined or not available.
Boiling point/range:	Not determined or not available.
Flash point:	Not determined or not available.
Evaporation rate:	Not determined or not available.
Flammability (solid, gaseous):	Not determined or not available.
Explosion limit upper:	Not determined or not available.
Explosion limit lower:	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:	Not determined or not available.
Solubilities:	Not determined or not available.
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.

Safety Data Sheet

According to Canadian Hazardous Products Regulations and WHMIS 2015

Initial preparation date: 11.28.2017

Page 6 of 9

Patterson Nitrile

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:

None known.

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
Potassium hydroxide	oral	LD50 - Rat - 333 mg/kg

Skin corrosion/irritation

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

Product data:

No data available.

Substance data:

Name	Result
Sulfur	Irritating to the skin.
Potassium hydroxide	Causes severe skin burns and eye damage.

Serious eye damage/irritation

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

Product data:

No data available.

Substance data: No data available.

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

Safety Data Sheet

According to Canadian Hazardous Products Regulations and WHMIS 2015

Initial preparation date: 11.28.2017

Page 7 of 9

Patterson Nitrile

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

Product data: No data available.

Substance data:

Name	Species	Result
Titanium Oxide		Airborne, unbound particles of respirable size are known to cause cancer.

International Agency for Research on Cancer (IARC):

Name	Classification
Titanium Oxide	Group 2B - Possibly carcinogenic to humans

National Toxicology Program (NTP): None of the ingredients are listed.

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

Product data:

No data available.

Substance data: No data available.

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

Safety Data Sheet

According to Canadian Hazardous Products Regulations and WHMIS 2015

Initial preparation date: 11.28.2017

Page 8 of 9

Patterson Nitrile

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

Product data: No data available.

Substance data:

Name	Result
Zinc oxide	Oncorhynchus mykiss (rainbow trout) - 1.1 mg/l - 96.0 h
	Daphnia magna (Water flea) - 0.098 mg/l - 48 h

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

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

Safety Data Sheet

According to Canadian Hazardous Products Regulations and WHMIS 2015

Initial preparation date: 11.28.2017

Page 9 of 9

Patterson Nitrile

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

SECTION 15: Regulatory information

Canada regulations

Domestic substances list (DSL):

9005-98-5	Synthetic rubber nitrile (NBR)	Not Listed
7704-34-9	Sulfur	Listed
1314-13-2	Zinc oxide	Listed
N/A	Organic Accelerators	Listed
13463-67-7	Titanium Oxide	Listed
1310-58-3	Potassium hydroxide	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: 0-0-0-0

HMIS: 0-0-0-0

Initial preparation date: 11.28.2017

End of Safety Data Sheet



Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 11.28.2017

Page 1 of 9

Patterson Nitrile

SECTION 1: Identification

Product identifier

Product name: Patterson Nitrile

Product code: 070884403, 070884411, 070884429, 070884437,
070884445, 070884452

Recommended use of the product and restriction on use

Relevant identified uses: Examination Gloves.

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: Not a hazardous substance or mixture

Label elements

Hazard pictograms: None

Signal word: None

Hazard statements: None

Precautionary statements: None

Hazards not otherwise classified: None

SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: N/A	Organic Accelerators	10
CAS number: 7704-34-9	Sulfur	10

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 11.28.2017

Page 2 of 9

Patterson Nitrile

CAS number: 1314-13-2	Zinc oxide	10
CAS number: 1310-58-3	Potassium hydroxide	10
CAS number: 13463-67-7	Titanium Oxide	10
CAS number: 9005-98-5	Synthetic rubber nitrile (NBR)	90

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

After eye contact:

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:

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 11.28.2017

Page 3 of 9

Patterson Nitrile

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

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
ACGIH	Potassium hydroxide	1310-58-3	ACGIH TLV C 2.0 mg/m ³
	Zinc oxide	1314-13-2	ACGIH TLV TWA 2.0 mg/m ³
	Zinc oxide	1314-13-2	ACGIH TLV TWA 10.0 mg/m ³
	Titanium Oxide	13463-67-7	ACGIH TLV TWA 10.0 mg/m ³
NIOSH	Potassium hydroxide	1310-58-3	NIOSH REL C 2.0 mg/m ³
	Zinc oxide	1314-13-2	NIOSH REL TWA 5.0 mg/m ³ ; C 15 mg/m ³ (Dust)
	Zinc oxide	1314-13-2	NIOSH REL TWA 5.0 mg/m ³ ; ST 10 mg/m ³ (Fume)
United States (OSHA)	Zinc oxide	1314-13-2	OSHA PEL TWA 5 mg/m ³ (Fume)

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 11.28.2017

Page 4 of 9

Patterson Nitrile

Country (Legal Basis)	Substance	Identifier	Permissible concentration
	Zinc oxide	1314-13-2	OSHA PEL TWA 15 mg/m ³ (Total dust)
	Zinc oxide	1314-13-2	OSHA PEL TWA 5 mg/m ³ (Respirable fraction)
	Titanium Oxide	13463-67-7	OSHA PEL TWA 15 mg/m ³ (Total dust)

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

Appearance	Blue
Odor	Not determined or not available.
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.

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 11.28.2017

Page 5 of 9

Patterson Nitrile

Vapor pressure	Not determined or not available.
Vapor density	Not determined or not available.
Density	Not determined or not available.
Relative density	Not determined or not available.
Solubilities	Not determined or not available.
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:

None known.

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
Potassium hydroxide	oral	LD50 - Rat - 333 mg/kg

Skin corrosion/irritation

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

Product data:

No data available.

Substance data:

Name	Result
Sulfur	Irritating to the skin.
Potassium hydroxide	Causes severe skin burns and eye damage.

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 11.28.2017

Page 6 of 9

Patterson Nitrile

Serious eye damage/irritation

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

Product data:

No data available.

Substance data: No data available.

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

Product data: No data available.

Substance data:

Name	Species	Result
Titanium Oxide		Airborne, unbound particles of respirable size are known to cause cancer.

International Agency for Research on Cancer (IARC):

Name	Classification
Titanium Oxide	Group 2B - Possibly carcinogenic to humans

National Toxicology Program (NTP): None of the ingredients are listed.

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

Product data:

No data available.

Substance data: No data available.

Aspiration toxicity

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

Product data:

No data available.

Substance data: No data available.

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 11.28.2017

Page 7 of 9

Patterson Nitrile

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:

Name	Result
Zinc oxide	Oncorhynchus mykiss (rainbow trout) - 1.1 mg/l - 96.0 h
	Daphnia magna (Water flea) - 0.098 mg/l - 48 h

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

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 11.28.2017

Page 8 of 9

Patterson Nitrile

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

SECTION 15: Regulatory information

United States regulations

Inventory listing (TSCA):

9005-98-5	Synthetic rubber nitrile (NBR)	Not Listed
7704-34-9	Sulfur	Listed
1314-13-2	Zinc oxide	Listed
N/A	Organic Accelerators	Listed
13463-67-7	Titanium Oxide	Listed
1310-58-3	Potassium hydroxide	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:

9005-98-5	Synthetic rubber nitrile (NBR)	Not Listed
7704-34-9	Sulfur	Not Listed
1314-13-2	Zinc oxide	Listed
N/A	Organic Accelerators	Not Listed

CERCLA:

1310-58-3	Potassium hydroxide	Listed	1,000 lb
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RCRA: Not determined.

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

Massachusetts Right to Know:

9005-98-5	Synthetic rubber nitrile (NBR)	Not Listed
7704-34-9	Sulfur	Not Listed
1314-13-2	Zinc oxide	Listed

Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 11.28.2017

Page 9 of 9

Patterson Nitrile

N/A	Organic Accelerators	Not Listed
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New Jersey Right to Know:

9005-98-5	Synthetic rubber nitrile (NBR)	Not Listed
7704-34-9	Sulfur	Not Listed
1314-13-2	Zinc oxide	Listed
N/A	Organic Accelerators	Not Listed

New York Right to Know:

9005-98-5	Synthetic rubber nitrile (NBR)	Not Listed
7704-34-9	Sulfur	Not Listed
1314-13-2	Zinc oxide	Listed
N/A	Organic Accelerators	Not Listed

Pennsylvania Right to Know:

9005-98-5	Synthetic rubber nitrile (NBR)	Not Listed
7704-34-9	Sulfur	Listed
1314-13-2	Zinc oxide	Listed
N/A	Organic Accelerators	Not Listed

California Proposition 65:

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

13463-67-7	Titanium Oxide
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SECTION 16: Other information

Abbreviations and Acronyms: None

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End of Safety Data Sheet