SAFETY DATA SHEETS

This SDS packet was issued with item:

070829978

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

070830026 070830034 070830042 070830059 070830067 070830075

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).

070829986

Section 1: Identification

Product Name: Articulating Paper

Distributor: Patterson Companies, Inc. 1031 Mendota Heights Rd., St. Paul, MN 55120

Telephone: 800.328.5536

Fax: 651.686.9331

www.pattersoncompanies.com

Emergency Information: 800.424.9300

Date Prepared: March 31, 2015

Section 2: Hazard(s) Identification

Physical Hazards: None Health Hazards: None Hazardous Ingredients:

Principal Components N/A
Percent N/A
OSHA PEL N/A

Section 3: Composition/Information on Ingredients

Physical Data

Specific Gravity N/A

Melting Point 180 Degrees Fahrenheit

Boiling Point N/A
Solubility in Water Insoluble

Appearance and Odor Waxy Coated Paper, Mild Odor

**This product does not contain Peanut Oil in the Formulation

Section 4: First-Aid Measures

Skin Wash Off with Soap and Water

Eyes Flush with Water Ingestion Get Medical Advice

Health Hazard Assessment

Threshold Limits N/A

Primary Routes of Exposure Skin Contact or Ingestion

Effects of Overexposure None Known

Section 5: Fire-Fighting Measures

Flash Point N/A

Extinguishing Media Water, Fog, Foam, Carbon Dioxide, Dry Chemical, Halon Special Fire Fighting Protective Equipment Self Contained Breathing Apparatus with Full Face Piece

And Protective Clothing

Unusual Fire and Explosion Hazards None Known

Section 6: Accidental Release Measures

Spills or Leaks N/A

Disposal Method Material is not regulated and can be disposed of with

normal office waste

Section 7: Handling and Storage

N/A

Section 8: Exposure Controls/Personal Protection

Respiratory Protection

Ventilation

Protective Clothing

Eye Protection

Other Protection Equipment

None when used as intended

None when used as intended

None when used as intended

OSHA PEL N/A

Section 9: Physical and Chemical Properties

N/A

Section 10: Stability and Reactivity

Stability Stable Incompatibility N/A

Hazardous Polymerization Will Not Occur

Hazardous Decomposition N/A

Section 11: Toxicological Information

CERCLA and SARA Regulations Contains no know toxic chemicals subject to reporting

Requirements

California Prop. 65 No Toxic Material to Report

Section 12: Ecological Information* (non-mandatory)

Not mandatory but keep section in document and leave empty/blank

Section 13: Disposal Considerations* (non-mandatory)

Not mandatory but keep section in document and leave empty/blank

Section 14: Transport Information* (non-mandatory)

Not mandatory but keep section in document and leave empty/blank

Section 15: Regulatory Information* (non-mandatory)

Not mandatory but keep section in document and leave empty/blank

Section 16: Other Information

• **Section 16, Other information,** includes the date of preparation or last revision.

^{*}Note: Since other Agencies regulate this information, OSHA will not be enforcing Sections 12 through 15(29 CFR 1910.1200(g)(2)).



(Revision: 4/21/2015)

SAFETY DATA SHEET

Patterson Impregnated Articulating Paper

Section 1 Identification of the Substance/Preparation and of the Company/Undertaking.

1.1 Product Identifier

Product Type: Patterson Impregnated Articulating Paper

Trade Names: 070829978, 070829986, 070830026, 070830042, 070830059, 070830067, 070830075

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Product Use: Used to mark biting surfaces on teeth. **Uses Advised Against:** For professional use only.

1.3 Details of the Supplier of the Substance or Mixture

Manufacturer:

Patterson Companies, Inc. 1031 Mendota Heights Rd.

St. Paul, MN 55120 Main: 800.328.5536 Fax: 651.686.9331

1.4 Emergency Telephone Number: 1-800-424-9300

Transportation Emergencies: CHEMTREC 1(800) 424-9300 (U.S. and Canada)

International Calls: 1-703-527-3887 (Collect calls accepted)

Other Product Information: www.pattersoncompanies.com

Section 2 Hazard Identification

2.1 Classification of the Mixture:

CLP/GHS Classification (1272/2008):

Health Hazards	Physical Hazards	Environmental Hazards
Not Hazardous	Not Hazardous	Not Hazardous

EU Classification (67/548/EEC): Not dangerous

2.2 Label Elements None required

2.3 Other Hazards: None

Section 3 Composition/Information on Ingredients.

<u>Substance</u>	CAS No. / EC Number	<u>%</u>	EU Classification (67/548/EEC)	CLP/GHS Classification (1272/2008)
Paper or Film impregnated with vegetable oil based inks	Mixture	100%	Not dangerous	Not hazardous

See Section 16 for full text of GHS and EU Classifications.

Section 4 First-Aid Measures.

4.1 Description of First Aid Measures

Inhalation: No adverse effects expected.

Eyes: Flush eyes with large quantities of water, holding the eyelids apart. If irritation persists consult a physician.

Skin: No first aid is required. Wash skin with soap and water. If irritation develops, get medical attention.

Ingestion: No adverse effects expected. If large amounts are swallowed or if irritation or discomfort occurs, get

medical attention.

- **4.2 Most Important symptoms and effects, both acute and delayed:** Direct eye contact may cause mild eye irritation.
- **4.3 Indication of any immediate medical attention and special treatment needed**: Immediate medical attention is not required.

Section 5 Fire-Fighting Measures.

- **5.1 Extinguishing Media:** Use media appropriate for the surrounding fire.
- **5.2 Special Hazards Arising from the Substance or Mixture:** If product may burn or smother producing carbon and nitrogen oxides.
- **5.3 Advice for Fire-Fighters:** Firefighters should wear full emergency equipment and approved positive pressure self-contained breathing apparatus. Cool fire exposed containers with water.

Section 6 Accidental Release Measures.

- **6.1 Personal Precautions, Protective Equipment and Emergency Procedures:** Wear appropriate protective equipment.
- **6.2 Environmental Precautions:** Report releases as required by local and national authorities.
- 6.3 Methods and Material for Containment and Cleaning Up: Pick up and place into a container for disposal.
- **6.4 Reference to Other Sections:** Refer to Section 8 for personal protective equipment and Section 13 for disposal information.

Section 7 Handling and Storage.

- **7.1 Precautions for Safe Handling**: Avoid contact with eyes. Wash thoroughly after handling.
- 7.2 Conditions for Safe Storage, Including any Incompatibilities: Store as directed on package insert.

7.3 Specific end use(s):

Industrial uses: None identified

Professional uses: Used to mark biting surfaces on teeth.

Section 8 Exposure Controls/Personal Protection

8.1 Control Parameters:

Paper or Film impregnated with	None Established
vegetable oil based inks	

8.2 Exposure Controls:

Recommended Monitoring Procedures: None.

Appropriate engineering controls: Use adequate general or local exhaust ventilation to minimize exposures levels.

Personal Protective Measurers

Respiratory protection: None required.

Skin protection: None required. Wash hands thoroughly after handling.

Eve protection: Wear safety glasses if contact is possible.

Other: Protective clothing as required to avoid prolonged skin contact.

Section 9 Physical and Chemical Properties.

9.1 Information on basic Physical and Chemical Properties

Appearance: Waxy coated paper or film.

Odor: No odor

Odor threshold: Not applicable pH: Not applicable

Melting point/freezing point: Not applicable Boiling point: Not applicable **Flash point:** >300°F (148.9°C) **Evaporation rate:** Not applicable

Flammability (solid, gas): Not applicable Flammable limits: LEL: Not applicable **UEL:** Not applicable

Vapor pressure: Not applicable Vapor density (air = 1): Not applicable Relative density: Not applicable Solubility In Water: Insoluble

Partition coefficient: n-octanol/water: Not Auto-ignition temperature: Not applicable

available

Decomposition temperature: Not available Viscosity: Not applicable

Explosive Properties: Not applicable Oxidizing Properties: Not applicable

9.2 Other Information: None available

Section 10 Stability and Reactivity.

10.1 Reactivity: Not reactive.

10.2 Chemical stability: Stable.

10.3 Possibility of hazardous reactions: Not expected to be reactive.

10.4 Conditions to avoid: Keep away from ignition sources.

10.5 Incompatible materials: Avoid oxidizing agents.

10.6 Hazardous decomposition products: Thermal decomposition may produce carbon and nitrogen oxides.

Section 11 Toxicological Information.

11.1 Information on Toxicological Effects:

Potential Health Effects:

Eves: Direct contact may cause mild irritation with redness and tearing.

Skin: No adverse effects expected.

Ingestion: Swallowing large amounts may cause gastric upset and nausea. .

Inhalation: No adverse effects are expected. Chronic Health Effects: None known.

Acute Toxicity Data:

Product: No toxicity data available. Not expected to be acutely toxic.

Section 12. Ecological Data.

12.1 Ecotoxicity:

Product: No data available.

12.2 Persistence and degradability: No data available.

12.3 Bioaccumulative potential: No data available

12.4 Mobility in soil: No data available

12.5 Results of PBT and vPvB assessment: Not required.

12.6 Other adverse effects: Not required.

Section 13. Disposal Considerations.

13.1 Waste Treatment Methods: Dispose in accordance with all national and local regulations.

Section 14. Transport Information.

	14.1 UN Number	14.2 UN Proper Shipping Name	14.3 Hazard Class(s)	14.4 Packing Group	14.5 Environmental Hazards
US DOT		Not Regulated			
Canadian TDG		Not Regulated			
EU ADR/RID	ADR/RID Not Regulated				
IMDG		Not Regulated			
IATA/ICAO		Not Regulated			

14.6 Special precautions for User: Not applicable

14.7 Transport in Bulk According to Annex III MARPOL 73/78 and the IBC Code): Not applicable – product is transported only in packaged form.

Section 15 Regulatory Information.

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

US Regulations

SARA Section 313 (40 CFR 372): This product contains the following toxic chemical(s) subject to reporting requirements of SARA 313: None

SARA Section 311/312 (40 CFR 370) Hazard Categories: Not hazardous

Comprehensive Environmental Response and Liability Act of 1980 (CERCLA): 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.

International Chemical Inventories:

Australian Inventory of Chemical Substances: This product is a manufactured article and not subject to chemical notification requirements.

Canadian Environmental Protection Act: This product is a manufactured article and not subject to chemical notification requirements.

China Inventory of Existing Chemicals and Chemical Substances: This product is a manufactured article and not subject to chemical notification requirements.

European Inventory of New and Existing Chemicals Substances (EINECS): This product is a manufactured article and not subject to chemical notification requirements.

Japanese Existing and New Chemical Substances: This product is a manufactured article and not subject to chemical notification requirements.

Korean Existing Chemicals List: This product is a manufactured article and not subject to chemical notification requirements.

Philippine Inventory of Chemicals and Chemical Substances: This product is a manufactured article and not subject to chemical notification requirements.

United States Toxic Substances Control Act (TSCA): This product is a manufactured article and not subject to chemical notification requirements.

16. Other Information.	
HMIS Rating: Health 1 Flammability 1 Reactivity 0 Hazard: 4-Severe; 3-Serious; 2-Moderate; 1-Slight; 0-M	<i>linimum</i>
EU Classes and Risk Phrases for Reference (See Sections None CLP/GHS Classification and H Phrases for Reference (See None	
Prepared By: Denise A. Deids	Translated By:
Date: April 21, 2015	Date:

according to 29CFR1910/1200 and GHS Rev. 3

Effective date: 05.12.2015 Page 1 of 6

Patterson Articulating Paper

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

Product name: Patterson Articulating Paper

Manufacturer/Supplier Trade name:

Manufacturer/Supplier Article number: Patterson Articulating Paper

Recommended uses of the product and restrictions on use:

Manufacturer Details:

Patterson Companies, Inc. 1031 Mendota Heights Road St. Paul, MN 55120

Supplier Details:

Patterson Companies, Inc. 1031 Mendota Heights Road St. Paul, MN 55120

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:

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Read label before use.

Other Non-GHS Classification: None

SECTION 3: Composition/information on ingredients

Ingredients:		
CAS N/A	Articulating Paper	100 %
		Percentages are by weight

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.

according to 29CFR1910/1200 and GHS Rev. 3

Effective date: 05.12.2015 Page 2 of 6

Patterson Articulating Paper

After skin contact:

Rinse/flush exposed skin gently using soap and water for 15-20 minutes. Seek medical advice if discomfort or irritation persists.

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.

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 eyeware, 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:

Material is not regulated and can be disposed of with normal office waste.

Methods and material for containment and cleaning up:

Wear protective eyeware, gloves, and clothing. Refer to Section 8. Always obey local regulations. Containerize for disposal. Refer to Section 13. Keep in suitable closed containers for disposal.

Reference to other sections: None

SECTION 7: Handling and storage

Precautions for safe handling:

Avoid contact with skin, eyes, and clothing. Follow good hygiene procedures when handling chemical materials. Refer to Section 8. 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:

according to 29CFR1910/1200 and GHS Rev. 3

Effective date: 05.12.2015 Page 3 of 6

Patterson Articulating Paper

Store in a cool location. Keep away from food and beverages.

SECTION 8: Exposure controls/personal protection





Control Parameters: No applicable occupational exposure limits. **Appropriate Engineering controls:** Not required under normal conditions of use.

Respiratory protection: Not required under normal conditions of use. Where risk assessment

> shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. When necessary use NIOSH approved

breathing equipment.

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. Wear

protective clothing.

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):	Waxy Coated Paper	Explosion limit lower: Explosion limit upper:	Not Determined Not Determined
Odor:	Mild odor	Vapor pressure at 20°C:	Not Determined
Odor threshold:	Not Determined	Vapor density:	Not Determined
pH-value:	Not Determined	Relative density:	Not Determined
Melting/Freezing point:	180° F	Solubilities:	Insoluble in water.
Boiling point/Boiling range:	Not Determined	Partition coefficient (noctanol/water):	Not Determined
Flash point (closed cup):	INIAT I IDTORMINGA	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 at 20°C:	Not Determined		

SECTION 10: Stability and reactivity

Reactivity:

according to 29CFR1910/1200 and GHS Rev. 3

Effective date: 05.12.2015 Page 4 of 6

Patterson Articulating Paper

Nonreactive under normal conditions.

Chemical stability:

Stable under normal conditions.

Possible hazardous reactions:

None under normal processing.

Conditions to avoid:

None identified.

Incompatible materials:

None identified.

Hazardous decomposition products:

None identified.

SECTION 11: Toxicological information

Acute Toxicity: No additional information. **Chronic Toxicity**: No additional information.

Skin corrosion/irritation: No additional information.

Serious eye damage/irritation: No additional information.

Respiratory or skin sensitization: No additional information.

Carcinogenicity: See section 15.

Germ cell mutagenicity: No additional information. **Reproductive Toxicity**: No additional information.

STOT-single and repeated exposure: No additional information. **Additional toxicological information**: No additional information.

SECTION 12: Ecological information

Ecotoxicity: No additional information. **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 normal office waste.

according to 29CFR1910/1200 and GHS Rev. 3

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Patterson Articulating Paper

SECTION 14: Transport information

US DOT

UN Number:

ADR, ADN, DOT, IMDG, IATA Not Regulated

Limited Quantity Exception: None

Bulk: Non Bulk:

RQ (if applicable): None RQ (if applicable): None

Proper shipping Name: Not Regulated. Proper shipping Name: Not Regulated.

Hazard Class: None Hazard Class: None

Packing Group: Not Regulated.

Marine Pollutant (if applicable): No

Marine Pollutant (if applicable): No

additional information. additional information.

Comments: None Comments: None

SECTION 15: Regulatory information

United States (USA)

SARA Section 311/312 (Specific toxic chemical listings):

SARA Section 313 (Specific toxic chemical listings):

None of the ingredients are listed.

RCRA (hazardous waste code):

None of the ingredients are listed.

TSCA (Toxic Substances Control Act):

All ingredients are listed.

CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act):

None of the ingredients are listed.

Proposition 65 (California):

Chemicals known to cause cancer:

None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for females:

None of the ingredients are listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients are listed.

Chemicals known to cause developmental toxicity:

None of the ingredients are listed.

Canada

Canadian Domestic Substances List (DSL):

All ingredients are listed.

according to 29CFR1910/1200 and GHS Rev. 3

Effective date: 05.12.2015 Page 6 of 6

Patterson Articulating Paper

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.

NFPA: 0-1-0 **HMIS**: 0-1-0

GHS Full Text Phrases: None

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**: 05.14.2015



According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 11.20.2017 Page 1 of 8

Patterson Impregnated Articulating Paper

SECTION 1: Identification

Product identifier

Product name: Patterson Impregnated Articulating Paper

Product code: 070829978, 070829986, 070830026, 070830042,

070830059, 070830067, 070830075

Recommended use of the product and restriction on use

Relevant identified uses: Used to mark biting surfaces on teeth.

Uses advised against: Not determined or not applicable.

Reasons why uses advised against: For professional use only.

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: Mixture	Paper or Film impregnated with vegetable oil based inks	100

Additional Information: None

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 11.20.2017 Page 2 of 8

Patterson Impregnated Articulating Paper

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:

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

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 11.20.2017 Page 3 of 8

Patterson Impregnated Articulating Paper

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:

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

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:

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 11.20.2017 Page 4 of 8

Patterson Impregnated Articulating Paper

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	Waxy coated paper or film.
Odor	No odor.
Odor threshold	Not applicable.
рН	Not applicable.
Melting point/freezing point	Not applicable.
Initial boiling point/range	Not applicable.
Flash point (closed cup)	>300°F (148.9 °C)
Evaporation rate	Not applicable.
Flammability (solid, gas)	Not applicable.
Upper flammability/explosive limit	Not applicable.
Lower flammability/explosive limit	Not applicable.
Vapor pressure	Not applicable.
Vapor density	Not applicable.
Density	Not applicable.
Relative density	Not applicable.
Solubilities	Insoluble
Partition coefficient (n-octanol/water)	Not available.
Auto/Self-ignition temperature	Not applicable.
Decomposition temperature	Not applicable.
Dynamic viscosity	Not applicable.
Kinematic viscosity	Not applicable.
Explosive properties	Not applicable.
Oxidizing properties	Not applicable.

Other information

SECTION 10: Stability and reactivity

Reactivity:

Not reactive.

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:

Keep away from ignition sources.

Incompatible materials:

Avoid oxidizing agents.

Hazardous decomposition products:

Thermal decomposition may produce carbon and nitrogen oxides.

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 11.20.2017 Page 5 of 8

Patterson Impregnated Articulating Paper

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
Paper or Film impregnated with	oral	Swallowing large amounts may cause gastric upset and
vegetable oil based inks		nausea.

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

Product data:
No data available.

Substance data:

Name	Result
Paper or Film impregnated with vegetable oil based inks	Direct contact may cause mild irritation with redness and tearing.

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:** No data available.

International Agency for Research on Cancer (IARC): None of the ingredients are listed.

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:

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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

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.

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

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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	Not applicable - product is transported only in packaged form.
Ship type	None
Pollution category	None

SECTION 15: Regulatory information

United States regulations

Inventory listing (TSCA):

Mixture	Paper or Film impregnated with vegetable oil based inks	Listed
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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:

Mixture	Paper or Film impregnated with vegetable oil based inks	Not	
		Listed	

CERCLA: Not determined. **RCRA:** Not determined.

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

Massachusetts Right to Know:

Mixture	Paper or Film impregnated with vegetable oil based inks	Not
		Listed

New Jersey Right to Know:

Mixture Paper or Film impregnated with vegetable oil based inks Not	lot Listed
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According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

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Patterson Impregnated Articulating Paper

New York Right to Know:

	Mixture	Paper or Film impregnated with vegetable oil based inks	Not Listed
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Pennsylvania Right to Know:

Mixture	Paper or Film impregnated with vegetable oil based inks	Not
		Listed

California Proposition 65: None of the ingredients are listed.

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: 1-1-0 **HMIS:** 1-1-0

Initial preparation date: 11.20.2017

End of Safety Data Sheet



According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

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Patterson Articulating Paper

SECTION 1: Identification

Product identifier

Product name: Patterson Articulating Paper

Product code: 070838631 070838748 070838755 070838789

 $075894209\ 075894555\ 075894563\ 075894571\ 075894589\ 075894670$ $075894753\ 075894845\ 075894852\ 075894886\ 075894894\ 075894910$

075895438 070838649

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: 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	tification Name	
CAS number: N/A	Articulating Paper	100

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Patterson Articulating Paper

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:

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:

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Patterson Articulating Paper

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:

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

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.

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Patterson Articulating Paper

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	Waxy coated paper
Odor	Mild odor
Odor threshold	Not determined or not available.
pH	Not determined or not available.
Melting point/freezing point	180 F
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	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.

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Patterson Articulating Paper

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:** No data available.

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: 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: No data available.

International Agency for Research on Cancer (IARC): None of the ingredients are listed.

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:

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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

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

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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

SECTION 15: Regulatory information

United States regulations

Inventory listing (TSCA): Not determined.

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: Not determined.

CERCLA: Not determined. **RCRA:** Not determined.

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

Massachusetts Right to Know: Not determined.
New Jersey Right to Know: Not determined.
New York Right to Know: Not determined.
Pennsylvania Right to Know: Not determined.
California Proposition 65: Not determined.

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: 0-1-0 **HMIS:** 0-1-0

Initial preparation date: 11.28.2017

End of Safety Data Sheet