

## SAFETY DATA SHEETS

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

070893982

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

070893974 070893990

## Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

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### Patterson PIT AND FISSURE SEALANT

#### SECTION 1: Identification

##### Product identifier

**Product name:** Patterson PIT AND FISSURE SEALANT

**Product code:** 070893974, 070893982, 070893990

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

**Relevant identified uses:** Dental material for use by dental professional only

**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:

Eye irritation, category 2A

Skin irritation, category 2

Skin sensitization, category 1

Specific target organ toxicity - single exposure, category 3, respiratory irritation

##### Label elements

##### Hazard pictograms:



**Signal word:** Warning

##### Hazard statements:

H319 Causes serious eye irritation

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H335 May cause respiratory irritation

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#### Precautionary statements:

P264 Wash skin thoroughly after handling  
P280 Wear protective gloves/protective clothing/eye protection/face protection  
P261 Avoid breathing dust/fume/gas/mist/vapors/spray  
P272 Contaminated work clothing should not be allowed out of the workplace  
P271 Use only outdoors or in a well-ventilated area  
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing  
P321 Specific treatment (see supplemental first aid instructions on this label).  
P362 Take off contaminated clothing and wash before reuse  
P302+P352 If on skin: Wash with soap and water  
P333+P313 If skin irritation or a rash occurs: Get medical advice/attention  
P304+P340+P312 If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell  
P405 Store locked up  
P403+P233 Store in a well ventilated place. Keep container tightly closed  
P501 Dispose of contents and container as instructed in Section 13

**Hazards not otherwise classified:** None

### SECTION 3: Composition/information on ingredients

| Identification             | Name                                  | Weight % |
|----------------------------|---------------------------------------|----------|
| CAS number:<br>N/A         | Uncured methacrylate ester monomers   | 55-60    |
| CAS number:<br>112945-52-5 | Silica, amorphous, fumed, cryst.-free | <5       |

**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  
Take precautions to ensure your own safety  
Remove source of exposure or move person to fresh air  
Get medical advice if you feel unwell or concerned

##### After skin contact:

Rinse affected area with soap and water  
If symptoms develop or persist, seek medical attention  
Take off all contaminated clothing  
Gently blot or brush away excess product  
Wash with plenty of lukewarm, gently flowing water  
Get medical advice if skin irritation occurs or you feel unwell

##### After eye contact:

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

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If symptoms develop or persist, seek medical attention  
Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open  
Remove contact lenses, if present and easy to do so  
Continue rinsing for 15-20 minutes  
Get medical advice if eye irritation persists

#### 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:

Not determined or not applicable.

### 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  
Absorb with non-combustible liquid-binding material (sand, diatomaceous earth (clay), acid binders, universal binders)  
Dispose of contents / container in accordance with local regulations

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### 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 mist or vapor.

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

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

Keep container tightly sealed.

Protect from freezing and physical damage.

Store in a cool, well-ventilated area.

## SECTION 8: Exposure controls/personal protection

Only those substances with limit values have been included below.

### Occupational Exposure limit values:

| Country (Legal Basis) | Substance                             | Identifier  | Permissible concentration                                  |
|-----------------------|---------------------------------------|-------------|--|
| United States (OSHA)  | Silica, amorphous, fumed, cryst.-free | 112945-52-5 | OSHA PEL TWA 20.0 Million particles per cubic foot         |
|                       | Silica, amorphous, fumed, cryst.-free | 112945-52-5 | OSHA PEL TWA 0.8 mg/m <sup>3</sup> 80/(%SiO <sub>2</sub> ) |
| NIOSH                 | Silica, amorphous, fumed, cryst.-free | 112945-52-5 | NIOSH REL TWA 6.0 mg/m <sup>3</sup>                        |

### 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.

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### SECTION 9: Physical and chemical properties

#### Information on basic physical and chemical properties

|   |                                  |
|---|----------------------------------|
| Appearance                              | off-white paste                  |
| Odor                                    | faint characteristic             |
| Odor threshold                          | Not determined or not available. |
| pH                                      | Not determined or not available. |
| Melting point/freezing point            | Not determined or not available. |
| Initial boiling point/range             | Not determined or not available. |
| Flash point (closed cup)                | Not determined or not available. |
| Evaporation rate                        | Not determined or not available. |
| Flammability (solid, gas)               | Not determined or not available. |
| Upper flammability/explosive limit      | Not determined or not available. |
| Lower flammability/explosive limit      | Not determined or not available. |
| Vapor pressure                          | <1 mm Hg/ 133 Pa/ Id:B           |
| Vapor density                           | >1                               |
| 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

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#### 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:** Causes skin irritation

**Product data:**

No data available.

**Substance data:**

| Name                                  | Result                  |
|---------------------------------------|-------------------------|
| Silica, amorphous, fumed, cryst.-free | Irritating to the skin. |

#### Serious eye damage/irritation

**Assessment:** Causes serious eye irritation

**Product data:**

No data available.

**Substance data:**

| Name                                  | Result                         |
|---------------------------------------|--------------------------------|
| Silica, amorphous, fumed, cryst.-free | Irritating effect on the eyes. |

#### Respiratory or skin sensitization

**Assessment:** May cause an allergic skin reaction

**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):**

| Name                                  | Classification   |
|---------------------------------------|--|
| Silica, amorphous, fumed, cryst.-free | Group 3 - Not classifiable as to its carcinogenicity 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:** May cause respiratory irritation

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**Product data:**

No data available.

**Substance data:**

| Name                                  | Result                                    |
|---------------------------------------|---|
| Silica, amorphous, fumed, cryst.-free | Component affects the respiratory system. |

**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



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## Patterson PIT AND FISSURE SEALANT

### SECTION 14: Transport information

#### United States Transportation of dangerous goods (49 CFR DOT)

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

#### International Maritime Dangerous Goods (IMDG)

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

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

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

### SECTION 15: Regulatory information

#### United States regulations

##### Inventory listing (TSCA):

|             |                                       |        |
|-------------|---------------------------------------|--------|
| 112945-52-5 | Silica, amorphous, fumed, cryst.-free | 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:

|             |                                       |            |
|-------------|---------------------------------------|------------|
| 112945-52-5 | Silica, amorphous, fumed, cryst.-free | Not Listed |
|-------------|---------------------------------------|------------|

**CERCLA:** Not determined.

**RCRA:** Not determined.

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

##### Massachusetts Right to Know:

|             |                                       |        |
|-------------|---------------------------------------|--------|
| 112945-52-5 | Silica, amorphous, fumed, cryst.-free | Listed |
|-------------|---------------------------------------|--------|

##### New Jersey Right to Know:

|             |                                       |            |
|-------------|---------------------------------------|------------|
| 112945-52-5 | Silica, amorphous, fumed, cryst.-free | Not Listed |
|-------------|---------------------------------------|------------|

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#### New York Right to Know:

|             |                                       |            |
|-------------|---------------------------------------|------------|
| 112945-52-5 | Silica, amorphous, fumed, cryst.-free | Not Listed |
|-------------|---------------------------------------|------------|

#### Pennsylvania Right to Know:

|             |                                       |        |
|-------------|---------------------------------------|--------|
| 112945-52-5 | Silica, amorphous, fumed, cryst.-free | 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:** 1-0-1

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

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**End of Safety Data Sheet**