This SDS packet was issued with item:
070902213

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

070902205 070902221 070902239
SECTION 1: Identification

Product identifier

Product name: Temporary Crown & Bridge 4:1 Catalyst
Product code: 070902205 070902205, 070902213, 070902221, 070902239

Recommended use of the product and restriction on use

Relevant identified uses: Temporary Crown & Bridge Material
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:
Skin sensitization, category 1

Label elements

Hazard pictograms:

Signal word: Warning

Hazard statements:
H317 May cause an allergic skin reaction

Precautionary statements:
P261 Avoid breathing dust/fume/gas/mist/vapors/spray
P272 Contaminated work clothing should not be allowed out of the workplace
P280 Wear protective gloves/protective clothing/eye protection/face protection
P321 Specific treatment (see supplemental first aid instructions on this label).
P363 Wash contaminated clothing before reuse
Temporary Crown & Bridge 4:1 Catalyst

P302+P352 If on skin: Wash with soap and water
P333+P313 If skin irritation or a rash occurs: Get medical advice/attention
P501 Dispose of contents and container as instructed in Section 13

Hazards not otherwise classified: None

SECTION 3: Composition/information on ingredients

<table>
<thead>
<tr>
<th>Identification</th>
<th>Name</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: N/A polyesterdimethacrylate</td>
<td>10-25</td>
<td></td>
</tr>
<tr>
<td>CAS number: 94-36-0 benzoyl peroxide</td>
<td>&lt;2.5</td>
<td></td>
</tr>
</tbody>
</table>

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
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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

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:

<table>
<thead>
<tr>
<th>Country (Legal Basis)</th>
<th>Substance</th>
<th>Identifier</th>
<th>Permissible concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>NIOSH</td>
<td>benzoyl peroxide</td>
<td>94-36-0</td>
<td>NIOSH TWA: 5 mg/m3</td>
</tr>
<tr>
<td>United States (OSHA)</td>
<td>benzoyl peroxide</td>
<td>94-36-0</td>
<td>OSHA PEL: TWA value 5 mg/m3</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Pasty. Whitish</td>
</tr>
<tr>
<td>Odor</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not determined or not available.</td>
</tr>
<tr>
<td>pH</td>
<td>Not determined or not available.</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>Not determined or not available.</td>
</tr>
<tr>
<td>Initial boiling point/range</td>
<td>Not determined or not available.</td>
</tr>
<tr>
<td>Flash point (closed cup)</td>
<td>Not determined or not available.</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not determined or not available.</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not determined or not available.</td>
</tr>
<tr>
<td>Upper flammability/explosive limit</td>
<td>Not determined or not available.</td>
</tr>
<tr>
<td>Lower flammability/explosive limit</td>
<td>Not determined or not available.</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>Not determined or not available.</td>
</tr>
<tr>
<td>Vapor density</td>
<td>Not determined or not available.</td>
</tr>
<tr>
<td>Density</td>
<td>Not determined or not available.</td>
</tr>
<tr>
<td>Relative density</td>
<td>Not determined or not available.</td>
</tr>
<tr>
<td>Solubilities</td>
<td>Not determined or not available.</td>
</tr>
<tr>
<td>Partition coefficient (n-octanol/water)</td>
<td>Not determined or not available.</td>
</tr>
<tr>
<td>Auto/Self-ignition temperature</td>
<td>Not determined or not available.</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not determined or not available.</td>
</tr>
<tr>
<td>Dynamic viscosity</td>
<td>Not determined or not available.</td>
</tr>
<tr>
<td>Kinematic viscosity</td>
<td>Not determined or not available.</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not determined or not available.</td>
</tr>
</tbody>
</table>
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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:

<table>
<thead>
<tr>
<th>Name</th>
<th>Route</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>benzoyl peroxide</td>
<td>oral</td>
<td>LD50 Oral - Rat - 77100 mg/kg</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Name</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>benzoyl peroxide</td>
<td>Causes eye irritation</td>
</tr>
</tbody>
</table>

Respiratory or skin sensitization
Assessment: May cause an allergic skin reaction
Product data:
No data available.
Substance data:

<table>
<thead>
<tr>
<th>Name</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>benzoyl peroxide</td>
<td>Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals</td>
</tr>
</tbody>
</table>
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:** 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.
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**Substance data:** No data available.

**Bioaccumulative potential**

- **Product data:** No data available.
- **Substance data:** No data available.

**Mobility in soil**

- **Product data:** No data available.
- **Substance data:** No data available.

**Other adverse effects:** No data available.

### SECTION 13: Disposal considerations

**Disposal methods:**

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities.

### SECTION 14: Transport information

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

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

**International Maritime Dangerous Goods (IMDG)**

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

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

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

### SECTION 15: Regulatory information

**United States regulations**

**Inventory listing (TSCA):**

| 94-36-0 | benzoyl peroxide | Listed |
Temporary Crown & Bridge 4:1 Catalyst

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:

| 94-36-0 | benzyol peroxide | Not Listed |

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: 1-0-0
HMIS: 1-0-0
Initial preparation date: 12.05.2017

End of Safety Data Sheet