This SDS packet was issued with item:
070854430

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

070854471
# 1. Product identification/preparation/company undertaking

<table>
<thead>
<tr>
<th>Product details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product Name:</strong></td>
</tr>
<tr>
<td><strong>Product Code:</strong></td>
</tr>
<tr>
<td><strong>Manufacturer/supplier:</strong></td>
</tr>
<tr>
<td><strong>Emergency information:</strong></td>
</tr>
</tbody>
</table>

# 2. Composition/Information of Ingredients

<table>
<thead>
<tr>
<th>Chemical characterization:</th>
</tr>
</thead>
<tbody>
<tr>
<td>mixture of polydimethyl polymethyl vinyl siloxane, polydimethyl polymethyl hydrogen siloxane, silica and paraffine</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Description:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazardous components: None</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CAS-Nr.:</th>
<th>Name</th>
<th>%</th>
<th>R-classification</th>
</tr>
</thead>
</table>

# 3. Hazards identification

<table>
<thead>
<tr>
<th>Risk identification:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Special risks for human beings and environment: None</td>
</tr>
<tr>
<td>Classification: Classification corresponds to actual EEC guidelines.</td>
</tr>
</tbody>
</table>

# 4. First-aid measures

<table>
<thead>
<tr>
<th>General information:</th>
</tr>
</thead>
<tbody>
<tr>
<td>after skin contact: wash with plenty of water and soap</td>
</tr>
<tr>
<td>after eye contact: rinse with plenty of water and consult a physician</td>
</tr>
<tr>
<td>after swallowing: seek medical advice immediately</td>
</tr>
</tbody>
</table>

# 5. Fire fighting measures

| Extinguishing media: CO₂, water |

<table>
<thead>
<tr>
<th>Protective equipment:</th>
</tr>
</thead>
</table>

Obtained by Global Safety Management, Inc. - Tel: 1-813-435-5161 - www.globalsafetynet.com
### 6. Accidental release measures

**Personal precautions:**

**Environmental precautions:**

**Methods for cleaning up:** wipe out with absorbent material

**Additional information:**

### 7. Handling and storage

**Handling:**

**Handling procedures:**

**Recommendation for fire and explosion protection:**

**Storage:**

**Requirements at storerooms and containers:**
- store at dry place;
- keep away from food stuffs

**Requirements for storage with other products:**
- avoid contact with acids, bases and alcohols

**Additional storage conditions:**

**Storage classification:**

**VBF-classification:**

### 8. Exposure controls/personal protection

**Additional information for technical plants:**

<table>
<thead>
<tr>
<th>CAS-Nr.</th>
<th>Name</th>
<th>%</th>
<th>art</th>
<th>value</th>
<th>unit</th>
</tr>
</thead>
</table>

The product contains no relevant quantities of components with limits of values to be supervised at the workplace.

**Additional information:**

**Personal protective equipment:**

**General measures of protection and hygiene:** normal hygienic measures

**respiration:**

**hands:**

**eyes:**
### 9. Physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Unit</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Form</td>
<td>paste</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Colour</td>
<td>different</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Odour</td>
<td>odourless</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Melting point/melting range</td>
<td>n.a.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Boiling point/boiling range</td>
<td>n.a.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flash point</td>
<td>n.a.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Autoignation temperature</td>
<td>n.a.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Danger of explosion</td>
<td>n.a.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Density</td>
<td>1.46 (20°C)</td>
<td>g/cm³</td>
<td></td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>n.a.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Viskosity</td>
<td>paste</td>
<td></td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>neutral</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Solubility in/miscibility with</td>
<td>partially soluble in toluene, petrol ether</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water</td>
<td>insoluble</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Content of solvents</td>
<td>none</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Organic solvents</td>
<td>------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water</td>
<td>------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Content of solids</td>
<td>none</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 10. Stability and reactivity

Incompatibility with other substances: slight evaluation of hydrogen traces by contact with acids, bases, alcohols, powdered metals and metal oxides.

### 11. Toxicological information

#### Acute toxicity:

Primary irritation:

<table>
<thead>
<tr>
<th>Substance</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin</td>
<td>non toxic, no absorption</td>
</tr>
<tr>
<td>Eye</td>
<td>irritating</td>
</tr>
</tbody>
</table>

Sensitization of product: During the long period of use as impression material no health deseases are reported.
# Safety Data Sheet
according to 91/155/EEC

## 12. Ecological information

<table>
<thead>
<tr>
<th>General information:</th>
<th>no data known</th>
</tr>
</thead>
<tbody>
<tr>
<td>Classification of water endangerment:</td>
<td></td>
</tr>
</tbody>
</table>

## 13. Disposal consideration

<table>
<thead>
<tr>
<th>Product:</th>
<th>Recommendation: use proper landfill disposal or incineration in accordance with local, state and federal regulations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disposal key number:</td>
<td></td>
</tr>
<tr>
<td>Uncleaned packaging:</td>
<td>Recommendation:</td>
</tr>
</tbody>
</table>

## 14. Transport information

- not classified as dangerous goods.
- protect it against humidity
- store it away from food stuffs, acids, and bases

## 15. Regulatory information

<table>
<thead>
<tr>
<th>Classification according to EEC-guidelines:</th>
<th>no classification necessary to actual EEC guidelines</th>
</tr>
</thead>
<tbody>
<tr>
<td>National Prescriptions:</td>
<td>n.a.</td>
</tr>
<tr>
<td>Classification according to VbF:</td>
<td>n.a.</td>
</tr>
</tbody>
</table>

## 16. Other information:

- the above information is based on our present day knowledge and relates solely to the safety requirements of the product. The data do not signify any warranty with regards to products properties. However users of the product should satisfy themselves that the information given is sufficient and correct for their specific circumstances of use.
Safety Data Sheet
according to 29CFR1910/1200 and GHS Rev. 3

Effective date: 05.18.2015

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

Product name: Patterson Heavy
Manufacturer/Supplier Trade name: Patterson Heavy
Manufacturer/Supplier Article number: 085-4471 & 085-4430
Recommended uses of the product and restrictions on use: Impression material.

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.

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

SECTION 3: Composition/information on ingredients

Ingredients:

<table>
<thead>
<tr>
<th>CAS#</th>
<th>Description</th>
<th>Wt. %</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS N/A</td>
<td>Polymethyl vinyl siloxane</td>
<td>&lt;100 %</td>
</tr>
<tr>
<td>CAS 9004-73-3</td>
<td>Polymethyl hydrogen siloxane</td>
<td>&lt;100 %</td>
</tr>
<tr>
<td>CAS 63148-62-9</td>
<td>Polydimethylsiloxane</td>
<td>&lt;100 %</td>
</tr>
<tr>
<td>CAS 7631-86-9</td>
<td>Silica</td>
<td>&lt;1 %</td>
</tr>
</tbody>
</table>

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.

**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.

- **For safety reasons unsuitable extinguishing agents:** No additional information.

**Special hazards arising from the substance or mixture:** No additional information.

**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. If necessary use trained response staff or contractor. Evacuate personnel to safe areas. Keep in suitable closed containers for disposal.

**Reference to other sections:** No additional information.

**SECTION 7: Handling and storage**

**Precautions for safe handling:**
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. For dental use only.

**Conditions for safe storage, including any incompatibilities:**
Store in a cool location. Keep away from food and beverages. Provide ventilation for containers. Keep container tightly sealed. Store away from heat sources. Temperature will affect set time. Store away from strong oxidizing agents.
SECTION 8: Exposure controls/personal protection

Control Parameters: 7631-86-9, Silica, NIOSH REL 6 mg/m3 TWA

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. 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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance (physical state, color):</td>
<td>Multi-colored Paste.</td>
</tr>
<tr>
<td>Explosion limit lower:</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Explosion limit upper:</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Odor:</td>
<td>Odorless.</td>
</tr>
<tr>
<td>Vapor pressure:</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Odor threshold:</td>
<td>Not Determined.</td>
</tr>
<tr>
<td>Vapor density:</td>
<td>Not Determined.</td>
</tr>
<tr>
<td>pH-value:</td>
<td>Neutral.</td>
</tr>
<tr>
<td>Relative density:</td>
<td>Not Determined.</td>
</tr>
<tr>
<td>Melting/Freezing point:</td>
<td>Not Determined.</td>
</tr>
<tr>
<td>Solubilities:</td>
<td>Insoluble in water.</td>
</tr>
<tr>
<td>Boiling point/Boiling range:</td>
<td>Not Determined.</td>
</tr>
<tr>
<td>Partition coefficient (n-octanol/water):</td>
<td>Not Determined.</td>
</tr>
<tr>
<td>Flash point (closed cup):</td>
<td>Not Determined.</td>
</tr>
<tr>
<td>Auto/Self-ignition temperature:</td>
<td>Not Determined.</td>
</tr>
<tr>
<td>Evaporation rate:</td>
<td>Not Determined.</td>
</tr>
<tr>
<td>Decomposition temperature:</td>
<td>Not Determined.</td>
</tr>
<tr>
<td>Flammability (solid, gaseous):</td>
<td>Not flammable.</td>
</tr>
</tbody>
</table>
b. Dynamic: Not Determined. |
| Density: | 1.44 g/cm3 @ 20°C                     |
SECTION 10: Stability and reactivity

Reactivity: Nonreactive under normal conditions.

Chemical stability: Stable under normal conditions.

Possible hazardous reactions: None under normal processing.

Conditions to avoid: Incompatible materials.

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

Hazardous decomposition products: No additional information.

SECTION 11: Toxicological information

Acute Toxicity

<table>
<thead>
<tr>
<th>Route</th>
<th>LD50/Rat</th>
<th>LD50/Rabbit</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>63148-62-9</td>
<td>&gt;24 g/kg</td>
<td>NLM_CIP</td>
</tr>
<tr>
<td>Dermal</td>
<td>7631-86-9</td>
<td>&gt;2000 mg/kg</td>
<td>IUCLID</td>
</tr>
<tr>
<td>Inhalation</td>
<td>7631-86-9</td>
<td>&gt;2.2 mg/L 1 h</td>
<td>IUCLID</td>
</tr>
<tr>
<td>Oral</td>
<td>7631-86-9</td>
<td>&gt;5000 mg/kg</td>
<td>IUCLID</td>
</tr>
</tbody>
</table>

Chronic Toxicity: No additional information.

Corrosion Irritation: No additional information.

Sensitization: No additional information.

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:

- 7631-86-9: Freshwater algae; 72 Hr EC50 Pseudokirchneriella subcapitata: 440 mg/L
- 7631-86-9: Freshwater fish; 96 Hr LC50 Brachydanio rerio: 5000 mg/L [static]
- 7631-86-9: Water flea; 48 Hr EC50 Ceriodaphnia dubia: 7600 mg/L

Persistence and degradability: Not determined.

Bioaccumulative potential: Not determined.

Mobility in soil: Aqueous solutions expected to have high mobility in soil.

Other adverse effects: No additional information.

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. Small quantities 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 applicable.
Packing group: Not applicable.
Environmental hazard: Not applicable.
Transport in bulk: Not applicable.
Special precautions for user: Not applicable.

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 ingredient 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 ingredient is listed.
Chemicals known to cause reproductive toxicity for females: None of the ingredient is listed.
Chemicals known to cause reproductive toxicity for males: None of the ingredient is listed.
Chemicals known to cause developmental toxicity: None of the ingredient is listed.

Canada
Canadian Domestic Substances List (DSL): All ingredients are listed.
Canadian NPRI Ingredient Disclosure list (limit 0.1%): None of the ingredient is listed.
Canadian NPRI Ingredient Disclosure list (limit 1%): None of the ingredient 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.

Abbreviations and acronyms:
PNEC: Predicted No-Effect Concentration (REACH).
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).
DNEL: Derived No-Effect Level (REACH).

Effective date: 05.18.2015
Last updated: 05.20.2015

Created by Global Safety Management, 1-813-435-5161 - www.GSMSDS.com
SECTION 1: Identification

Product identifier
  Product name: Patterson Heavy
  Product code: 070854471, 070854430

Recommended use of the product and restriction on use
  Relevant identified uses: Impression Material
  Uses advised against: Not determined or not applicable.
  Reasons why uses advised against: Not determined or not applicable.

Manufacturer or supplier details
  Manufacturer:
  Patterson Companies, Inc.
  1031 Mendota Heights 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

<table>
<thead>
<tr>
<th>Identification</th>
<th>Name</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS number: 63148-62-9</td>
<td>Polydimethysiloxane</td>
<td>&lt;100</td>
</tr>
<tr>
<td>CAS number: N/A</td>
<td>Polymethyl vinyl siloxane</td>
<td>&lt;100</td>
</tr>
</tbody>
</table>
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:
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>United States (OSHA)</td>
<td>Silica</td>
<td>7631-86-9</td>
<td>OSHA PEL 8 Hour TWA: 15 mg/m3</td>
</tr>
<tr>
<td>NIOSH</td>
<td>Silica</td>
<td>7631-86-9</td>
<td>NIOSH 10 hr Time Weighted Avg (TWA): 6 mg/m3</td>
</tr>
<tr>
<td></td>
<td>Silica</td>
<td>7631-86-9</td>
<td>NIOSH IDLH: 3000 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>Multi-Colored Paste</td>
</tr>
<tr>
<td>Odor</td>
<td>Odorless</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>Not determined or not available.</td>
</tr>
<tr>
<td>pH</td>
<td>Neutral</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>1.55 g/cm3 @ 20°C</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>
<tr>
<td>Oxidizing properties</td>
<td>Not determined or not available.</td>
</tr>
</tbody>
</table>

### 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: 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):
   Name          Classification
   Silica        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: 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.

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)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN number</td>
<td>Not regulated</td>
</tr>
<tr>
<td>UN proper shipping name</td>
<td>Not regulated</td>
</tr>
<tr>
<td>UN transport hazard class(es)</td>
<td>None</td>
</tr>
<tr>
<td>Packing group</td>
<td>None</td>
</tr>
<tr>
<td>Environmental hazards</td>
<td>None</td>
</tr>
<tr>
<td>Special precautions for user</td>
<td>None</td>
</tr>
</tbody>
</table>

International Maritime Dangerous Goods (IMDG)

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN number</td>
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<tr>
<td>UN proper shipping name</td>
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<td>None</td>
</tr>
<tr>
<td>Packing group</td>
<td>None</td>
</tr>
<tr>
<td>Environmental hazards</td>
<td>None</td>
</tr>
<tr>
<td>Special precautions for user</td>
<td>None</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Information</th>
</tr>
</thead>
<tbody>
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<tr>
<td>UN proper shipping name</td>
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<tr>
<td>UN transport hazard class(es)</td>
<td>None</td>
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<td>None</td>
</tr>
<tr>
<td>Environmental hazards</td>
<td>None</td>
</tr>
<tr>
<td>Special precautions for user</td>
<td>None</td>
</tr>
</tbody>
</table>

SECTION 15: Regulatory information

United States regulations

Inventory listing (TSCA):

<table>
<thead>
<tr>
<th>UN number</th>
<th>Chemical name</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>63148-62-9</td>
<td>Polydimethysiloxane</td>
<td>Listed</td>
</tr>
<tr>
<td>7631-86-9</td>
<td>Silica</td>
<td>Listed</td>
</tr>
</tbody>
</table>

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.
Patterson Heavy

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

**Initial preparation date:** 11.28.2017

End of Safety Data Sheet