SAFETY DATA SHEET
Detail Sealant PW™

Section 1. Identification

GHS product identifier : Detail sealant PW™
Other means of identification : Not available

Relevant identified used of the substance or mixtures and uses advised against
Adhesive/Sealant

Supplier’s details : Polyguard Products, Inc.
3801 South Interstate 45
Ennis, TX 75119
Tel: (800) 541-4994

Emergency telephone number) with hours of operation) : CHEMTREC, US 1-800-424-9300 International 1-703-527-3887
: (24/7)

Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazardous Communications Standard (49CFR1910.1200).
Classification of the substance or mixture : Toxic to reproduction- Category 2
Hazardous to the Aquatic Environment-Acute Hazard- Category 3
Hazardous to the Aquatic Environment-Chronic Hazard- Category 3

GHS label elements Hazard pictogram

Signal word : Warning
Hazard statement : Suspected of damaging fertility or the unborn child.
Harmful to aquatic life with long lasting effects.

Precautionary statements Prevention : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/clothing and eye/face protection. Avoid release to the environment. Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the work place.
Section 2. Hazards identification

Response: If exposed or concerned: Get medical advice/attention. IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Storage: Store locked up.

Disposal: Dispose of contents and container in accordance with all local, regional, national and international regulations.

Section 3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>Substance/Mixture</th>
<th>%</th>
<th>CAS Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Carbonate</td>
<td>30-55</td>
<td>1317-65-3</td>
</tr>
<tr>
<td>Carbonic acid, calcium salt(1:1)</td>
<td>15-25</td>
<td>471-34-1</td>
</tr>
<tr>
<td>1,2 benzenedicarboxylic acid, bis(2-propylheptyl)ester</td>
<td>5-15</td>
<td>53306-54-0</td>
</tr>
<tr>
<td>N-[3-Trimethoxysilyl]propyl]-1,2-ethanediameine</td>
<td>0.5-2</td>
<td>1760-24-3</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>0.1-1</td>
<td>13463-67-7</td>
</tr>
<tr>
<td>Carbon Black</td>
<td>0.01-0.09</td>
<td>1333-86-4</td>
</tr>
</tbody>
</table>

Any concentration shown as a range is to protect confidentiality or is due to batch variation. Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures.

Eye contact: IF IN EYES; Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Inhalation: IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.

Skin contact: IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical attention.

Ingestion: If a large amount is swallowed, get immediate medical attention.

Most important symptoms/effects, acute and delayed

Potential acute health effects: Causes skin and eye irritation.

Potential chronic health effects: Reproductive effects

Notes to physician: Symptomatically treatment and supportive therapy as indicated.
Section 5. Fire-fighting measures

Extinguishing media
- Suitable extinguishing media: Use Carbon dioxide, regular dry chemical, regular foam or water.
- Unsuitable extinguishing media: None known

Specific hazards arising from the chemical
- Hazardous thermal decomposition products
- Special protective equipment and precautions for Firefighters
- Special protective equipment for fire fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face piece operated in a positive pressure mode.

Fire Fighting Measures: Move material form fire area if it can be done without risk. Cool containers with water. Avoid inhalation of vapors or combustion by-products. Use extinguishing agents appropriate for surrounding fire. Dike for late disposal. Stay upwind and keep out of low areas.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures.
- For non emergency personal: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk thru spilled material. Avoid breathing vapor or mist. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).
- For emergency responders: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in “For non-emergency personnel.”

Environmental precautions: Avoid disposal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil, or air).

Methods and materials for containment and cleaning up: Ventilate the area. Stop leak if possible without personal risk. Absorb with sand or other non-combustible material. Collect spilled material in appropriate container for disposal. Avoid release to the environment.

Section 7. Handling and storage

Precautions for safe handling
- Protective measures: Do not handle until all safety precautions have been read and understood. Do not breathe vapor or mist. Avoid contact with skin and eyes. Do not eat, drink or smoke when using this product. Always wear recommended personal protective equipment. Wear personal protective clothing and equipment, see section 8. Wash thoroughly after handling.
- Advice on general occupational hygiene: Eating, drinking and smoking should be prohibited in areas where material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See section 8 for additional information on hygiene measures.
- Conditions for safe storage, including any incompatibilities: Store and handle in accordance with all current regulations and standards. Keep container tightly closed. Keep separated from incompatible substances.
Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>Exposure limits</th>
</tr>
</thead>
</table>
| Calcium Carbonate | NIOSH | TWA: 10 mg/m³ (total dust)  
|                  | OSHA  | TWA: 5 mg/m³ (respirable dust) |
| Carbonic acid, calcium salt (1:1) | NIOSH | TWA: 10 mg/m³ (total dust)  
|                  | OSHA  | TWA: 5 mg/m³ (respirable dust) |
| Titanium dioxide | ACGIH  | TWA: 10 mg/m³  
|                  | OSHA  | TWA: 15 mg/m³ (total dust) |
| Dibutyl tin      | ACGIH  | TWA: 0.1 mg/m³ (as Sn); STEL: 0.2 mg/m³ (as Sn);  
|                  | NIOSH | TWA: 0.1 mg/m³ (except Cyhexatin, as Sn); |
| Carbon Black     | ACGIH  | TWA: 3 mg/m³ (inhalable fraction)  
|                  | NIOSH | TWA: 3.5 mg/m³  
|                  | OSHA  | TWA: 3.5 mg/m³ |

### Appropriate engineering controls

Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

### Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### Hygiene measure:

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking, and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the work station.

### Eye/face protection

Safety eyewear complying with an approved standard should be used when risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases and dusts.

### Skin Protection

- **Hand protection**: Use chemical resistant gloves such as nitrile.
- **Body protection**: Use chemical resistant clothing.
- **Respiratory protection**: Use a properly fitted, air purifying or supplied air respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Section 9. Physical and chemical properties

Appearance
Physical state : Paste
Color : Gray
Odor : Mild
Odor threshold : Not available
pH : Not available
Melting point : Not available
Boiling point : Not available
Flash Point : > 200 °F
Evaporation rate: : Not available
Flammability(solid, gas) : Not available
Lower & upper explosive (flammable) limits : Not available
Vapor density : Not available
Vapor pressure : Not available
Relative density : 10.8-14.2
Specific gravity : 1.3-1.7
Solubility : Slightly soluble in water
Partition coefficient: n-octanol/water : Not available
Auto-ignition temperature : Not available
Decomposition temperature : Not available
VOC : Not available
Viscosity : Not available

Section 10. Stability and reactivity

Reactivity : No reactivity hazard is expected.
Chemical stability : Stable at room temperature and pressure.
Possibility of hazardous reactions : Will not polymerize.
Conditions to avoid: : Avoid heat, flames, sparks and other sources of ignition. Avoid contact with incompatible materials.
Incompatible materials : Strong acids and strong oxidizing materials.
Hazardous decomposition products : Combustion products may include: Carbon dioxide, Carbon monoxide and low molecular weight hydrocarbons.

Section 11. Toxicological information

Information on toxicological effects
Acute toxicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Test</th>
<th>Endpoint</th>
<th>Species</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbonic acid, calcium salt (1:1)</td>
<td>Oral Toxicity</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>6450 mg/kg</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>Oral Toxicity</td>
<td>LD50</td>
<td>Rat</td>
<td>&gt; 10000 mg/kg</td>
</tr>
</tbody>
</table>
Section 11. Toxicological information

Information on the likely routes of exposure:
Potential acute health effects

**Eye contact**: May cause eye irritation. Contact may cause tearing, redness, a stinging or burning feeling, swelling and blurred vision.

**Inhalation**: May be harmful if inhaled.

**Skin contact**: May cause skin irritation. May cause irritation, redness, itching and burning.

**Ingestion**: May be harmful if swallowed.

Delayed and immediate effects and also chronic effects from short and long term exposure

**Short term exposure**
**Potential immediate effects**: skin irritation, eye irritation
**Potential delayed effects**: Not available

**Medical conditions aggravated by exposure**: skin disorders, eye disorders

**Irritation/Corrosivity Data**: Causes skin, eye and respiratory irritation.

**Respiratory Sensitization**: No information available for this product.

**Dermal Sensitization**: No information available for this product.

**Germ Cell Mutagenicity**: No information available for this product.

**Carcinogenicity**
Results of a DuPont epidemiology study show that employees who had been exposed to titanium dioxide pigments were at no greater risk of developing lung cancer than were employees who had not been exposed to titanium dioxide pigments. No Pulmonary fibrosis was found in any of the employees and no associations were observed between titanium dioxide pigment exposure and chronic respiratory disease or lung abnormalities. Based on the results of this study, DuPont concluded that titanium dioxide pigment will not cause lung cancer or chronic respiratory disease in humans at concentrations experienced in the workplace.

**Component Carcinogenicity**

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>ACGIH</th>
<th>IARC</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>A4</td>
<td>Group 2B</td>
<td>Present</td>
</tr>
<tr>
<td>Carbon Black</td>
<td>A3</td>
<td>Group 2B</td>
<td>Present</td>
</tr>
</tbody>
</table>

**Reproductive Toxicity**: May damage fertility or the unborn child.

**Specific Target Organ**: No target organs identified.

**Toxicity- Single exposure**: No target organs identified.

**Specific Target Organ**: No target organs identified.

**Toxicity- Repeated exposure**: No information available for the product.

**Aspiration Hazard**: No information available for the product.
Section 12. Ecological information

Ecotoxicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Endpoint</th>
<th>Exposure</th>
<th>Species</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diisononyl phthalate</td>
<td>LC 50</td>
<td>96 hours semi-static</td>
<td>Fish-Brachydanio rerio</td>
<td>&gt;100 mg/l</td>
</tr>
<tr>
<td></td>
<td>LC50</td>
<td>96 hour flow through</td>
<td>Fish-Lepomis macrochirus</td>
<td>&gt; 0.14 mg/l</td>
</tr>
<tr>
<td></td>
<td>LC50</td>
<td>96 hour static</td>
<td>Fish-Lepomis macrochirus</td>
<td>&gt; 0.17 mg/l</td>
</tr>
<tr>
<td></td>
<td>LC50</td>
<td>96 hour flow through</td>
<td>Fish-Pimpephalespromelas</td>
<td>&gt; 0.19 mg/l</td>
</tr>
<tr>
<td></td>
<td>LC50</td>
<td>96 hour static</td>
<td>Fish-Pimpephalespromelas</td>
<td>&gt; 0.14 mg/l</td>
</tr>
<tr>
<td></td>
<td>EC 50</td>
<td>72 hours</td>
<td>Algae- Desmodesmus subspicatus</td>
<td>&gt; 500 mg/l</td>
</tr>
<tr>
<td></td>
<td>EC 50</td>
<td>96 hour static</td>
<td>Algae- Pseudokirckneriella subcapitata</td>
<td>&gt; 1.8 mg/l</td>
</tr>
<tr>
<td></td>
<td>EC 50</td>
<td>48 hours</td>
<td>Invertebrate- Daphnia magna</td>
<td>&gt;500 mg/L</td>
</tr>
<tr>
<td></td>
<td>EC 50</td>
<td>48 hours static</td>
<td>Invertebrate- Daphnia magna</td>
<td>&gt;0.06 mg/L</td>
</tr>
</tbody>
</table>

Persistence and degradability: No information available for this product.

Bioaccumulation: No information available for this product.

Mobility: No information available for this product.

Biodegradation: No information available for this product.

Section 13. Disposal considerations

Disposal methods: Dispose of surplus and non-recyclable product via a licensed waste disposal contractor. Disposal of this product in accordance with all applicable federal, state, regional and local laws and regulations. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

Proper shipping name

DOT: Not regulated
TDG: Not regulated
IMDG: Not regulated
IATA: Not regulated

Section 15. Regulatory information

Safety, health and environmental regulations specific for the product

United States Regulations

TSCA inventory: All components are listed or exempted.
SARA 311/312: Acute Chronic health.
SARA 313: Not listed

State regulations

California- RTK: Carbon black
Massachusetts- RTK: Carbon black, Titanium dioxide, Calcium carbonate
Minnesota- RTK: Carbon black, Titanium dioxide, Calcium carbonate
New Jersey- RTK: Carbon black, Titanium dioxide, Calcium carbonate
Pennsylvania- RTK: Carbon black, Titanium dioxide, Calcium carbonate
Section 15. Regulatory information

California Prop 65 : **Warning!** This product contains a chemical known to the State of California to cause cancer.
**Warning!** This product contains a chemical known to the State of California to cause reproductive /developmental effects.

Section 16. Other information

Date of revision : 6/4/15
Date of previous issue : 7/9/13
Revisions: Revision to entire document for compliance of new HazCom rules.
Version : 3
Prepared by : C. Rogalski

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