

Safety Data Sheet

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.
4101 S I-45
Ennis, TX 75119
Tel: (214) 515-5000

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 : Acute toxicity- Oral- Category 4
Serious Eye Damage/Eye Irritation - Category 2A
Carcinogenicity- Category 1A
Reproductive Toxicity- Category 1B
Specific target organ toxicity (single exposure) -Category 1 (central nervous system).
Specific target organ toxicity (repeated exposure) - Category 1 (respiratory system).
Specific target organ toxicity (repeated exposure) - Category 2 (bladder).

GHS label elements Hazard pictogram



Signal word : **Danger**

Hazard statement : Harmful if swallowed.
Causes serious eye irritation.
May cause cancer
May damage fertility or the unborn child.
Causes damage to organs.
Causes damage to organs through prolonged or repeated exposure.
May cause damage to organs through prolonged or repeated exposure.

Precautionary statements Prevention

: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear eye and face protection. Do not breathe dust/fumes/gas/mist/vapors/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product.

Section 2. Hazards Identification

- Response** : If exposed: call a POISON CENTER or doctor/physician. 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 advice/attention. If SWALLOWED: Immediately call a POISON CENTER or physician if you feel unwell. Rinse mouth. Get medical advice/attention if you feel unwell.
- Storage** : Store locked up.
- Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.
- Hazards not otherwise classified** : None known

Section 3. Composition/Information on Ingredients

- Substance/Mixture** : Mixture
- Other means of identification** : Not available
- CAS number/other identifiers**
- CAS number** : Not applicable
- Product code** : Not applicable

Ingredient name	%	CAS Number
Calcium Carbonate	30-60	1317-65-3
Carbonic acid, calcium salt (1:1)	15-40	471-34-1
Titanium Dioxide	1-5	13463-67-7
Organosilane	1-5	2768-02-7
Dibutyl tin oxide	0.1-1	818-08-6
Diisonoyl phthalate	0.1-1	28553-12-0
Carbon Black	0.05 - <0.1	1333-86-4

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentration applicable, are classified as hazardous to health or the environment and hence require reporting in this section. Occupational exposure limits, if available, are listed in Section 8.

Section 4. First Aid Measures

Description of necessary first aid measures.

- Eye contact** : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: get medical advice/attention.
- Inhalation** : If breathing is difficult, remove person to fresh air and keep at rest position comfortable for breathing. Call POISON CENTER or doctor/physician if you feel unwell.
- Skin contact** : Wash with plenty of soap and water. If skin irritation or rash occurs: get medical advice/attention. Take off contaminated clothing and wash before reuse.
- Ingestion** : If swallowed, immediately call a Poison Center or doctor/physician. DO NOT induce vomiting.

Section 4. First Aid Measures

Most important symptoms/effects, acute and delayed

Potential acute health effects

- Eye contact** : Causes serious eye irritation.
Inhalation : May be harmful if inhaled.
Skin contact : May cause skin irritation.
Ingestion : Harmful if swallowed.

Potential Delayed health effects

- : May cause cancer
 May damage fertility or the unborn child.
 Causes damage to organs.
 Causes damage to organs through prolonged or repeated exposure.
 May cause damage to organs through prolonged or repeated exposure.

Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following: Pain or irritation, watering, redness.
Inhalation : Adverse symptoms may include the following: Irritation of respiratory system.
Skin contact : Adverse symptoms may include the following: Irritation, redness.
Ingestion : Adverse symptoms may include the following: Nausea or vomiting.

Indication of immediate medical attention and special treatment needed, if necessary.

- Notes to physician** : Treat symptomatically. Contact POISON CENTER immediately if product have been ingested.
Specific treatments : No specific treatment
Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training.

Section 5. Fire-Fighting Measures

Extinguishing media

- Suitable extinguishing media** : Use dry chemical, CO₂, water or foam.
Unsuitable extinguishing media : Do not use high pressure water streams.
Specific hazards arising from the chemical : Upon decomposition, this product emits Carbon Dioxide, Carbon Monoxide, and/or low molecular weight hydrocarbons.
Hazardous thermal decomposition products : Decomposition products may include the following materials: Carbon Dioxide Carbon Monoxide, and/or low molecular weight hydrocarbons.
Special protective equipment : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full-face piece operated in a positive pressure mode.
Special protective actions for firefighters: : Heating may cause an explosion. Containers may rupture or explode. Move material away from fire area if it can be done without risk. Avoid inhalation of vapors or combustion products. Dike for later 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** : Evacuate surrounding area. Keep unnecessary and unprotected personnel from entering. Shut off all ignition sources. No flares, smoking, or flames in hazard areas. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- 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

- Spill** : Stop leak if without risk. Move container from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements, or confined areas. Contain and collect spillage with non-combustible, absorbent material e.g. sand, and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and Storage

Precautions for safe handling

- Protective measures** : Do not handle until all safety precautions have been read and understood. Keep away from all ignition sources. Avoid contact with eyes and skin. Do not eat, drink or smoke when using this product. Always wear recommended personal protective equipment (section 8). Take precautionary measures against static discharge. Avoid discharge into the environment. Empty containers retain product residue and can be hazardous. Do not reuse container.
- 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 locked up and in accordance with local regulations. Store in original container in a cool dry well-ventilated area away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready to use. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure Controls/Personal Protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
Calcium carbonate	NIOSH REL (United States) TWA: 10 mg/m ³ total dust TWA: 5 mg/m ³ respirable dust OSHA PEL (United States) TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable dust
Carbonic acid, calcium salt (1:1)	NIOSH REL (United States) TWA: 10 mg/m ³ total dust TWA: 5 mg/m ³ respirable dust
Titanium dioxide	ACGIH TLV (United States) TWA: 10 mg/m ³ NIOSH REL (United States) TWA: 2.4 mg/m ³ (CIB 63) fine TWA: 0.3 mg/m ³ (CIB 63) ultra fine IDLH: 5000 mg/m ³ OSHA PEL (United States) TWA: 15 mg/m ³ total dust
Carbon Black	ACGIH TLV (United States) TWA: 3 mg/m ³ inhalable particulate matter NIOSH REL (United States) TWA: 3.5 mg/m ³ TWA: 0.1 mg/m ³ (Carbon black in presence of Polycyclic aromatic hydrocarbons) as PAH IDLH 1750 mg/m ³ OSHA PEL (United States) TWA: 3.5 mg/m ³

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. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment when explosive concentrations are present.

Environmental exposure controls

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

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. Ensure that eyewash stations and safety showers are close to the work station location.

Eye/face protection

Skin Protection

Hand protection

: Wear splash resistance safety goggles with a face shield.

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Body protection

: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Section 8. Exposure Controls/Personal Protection

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	: Solid Paste
Color	: Gray
Odor	: Mild
Odor threshold	: Not available
pH	: Not applicable
Melting point	: Not applicable
Boiling point	: Not available
Freezing point range	: Not available
Evaporation rate:	: Not available
Flammability (solid, gas)	: Not applicable
Flash Point	: 93.3 °C (> 200 ° F)
Autoignition temperature	: Not available
Lower & upper explosive (flammable) limits	: Not available
Decomposition temperature	: Not available
Vapor pressure	: Not available
Vapor density	: Not available
Specific gravity	: 1.3 – 1.7
Water solubility	: Slightly soluble
Partition coefficient: n-octanol/water	: Not available
Viscosity	: Not available
Kinematic Viscosity	: Not available
VOC	: 9 g/l

Section 10. Stability and Reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: This product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Conditions to avoid:	: Avoid heat, flames, sparks and other ignition sources. Avoid contact with incompatible materials and temperatures above 120 °C (248 °F).
Incompatible materials	: Reactive or incompatible with the following materials: Strong oxidizers and strong acids.
Hazardous decomposition products	: Upon decomposition, this product emits carbon monoxide, carbon dioxide and /or low molecular weight hydrocarbons.

Section 11. Toxicological Information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Carbonic acid, calcium salt (1:1)	Oral LD50	Rat	6450 mg/kg	4 hours
Titanium dioxide	Oral LD50	Rat	> 10000 mg/kg	
Organosilane	Oral LD50	Rat	7340 ml/kg	
Dibutyltin oxide	Oral LD50	Rat	44.9 mg/kg	
Diisononyl phthalate	Oral LD50	Rat	> 9750 mg/kg	
	Inhalation LC50	Rat	> 4.4 mg/l	
Carbon black	Oral LD50	Rat	> 15400 mg/kg	
Product toxicity- acute toxicity estimated	Oral LD50		1261.24 mg/kg	

Immediate effects

: Harmful if swallowed. Causes serious eye irritation.

Delayed effects

: May cause cancer. May damage fertility or the unborn child. Causes damage to organs. Causes damage to organs through prolonged or repeated exposure.

Irritation/Corrosion

: Causes serious eye irritation.

Respiratory Sensitization

: No information on significant adverse effects.

Dermal Sensitization

: No information on significant adverse effects.

Component Carcinogenicity

Product/ingredient name	ACGIH	IARC	OSHA	NIOSH
Titanium Dioxide	A 4	Group 2 B	Yes	Potential Occupational Carcinogen
Carbon black	A 3	Group 2 B	Yes	Potential Occupational Carcinogen

Results of a DuPont epidemiology study showed that employees who had been exposed to titanium dioxide pigments were at no greater risks 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 has concluded that titanium dioxide pigment will not cause lung cancer or chronic respiratory disease in humans at concentrations experienced in the workplace.

Germ Cell Mutagenicity

: No information on significant adverse effects.

Tumorigenic Data

: No information on significant adverse effects.

Reproductive Toxicity

: May damage fertility or the unborn child.

Specific target organ toxicity (single exposure)

: Central nervous system

Specific target organ toxicity (repeated exposure)

: Respiratory system, bladder

Aspiration hazard

: No information on significant adverse effects.

Medical Conditions Aggravated by Exposure

: No data available

Section 12. Ecological Information

Ecotoxicity : May cause long lasting harmful effects to aquatic life.

Product/ingredient name	Result	Species	Exposure
Diisononyl phthalate	LC50 100 mg/l (semi static)	Brachydanio rerio	96 hours
	LC50 > 0.14 mg/l (flow thru)	Lepomis macrochirus	96 hours
	LC50 > 0.17 mg/l (static)	Lepomis macrochirus	96 hours
	LC50 > 0.19 mg/l (flow thru)	Pimephales promelas	96 hours
	LC50 > 0.14 mg/l (static)	Pimephales promelas	96 hours
	EC50 > 500 mg/l (IUCLID)	Desmodesmus subspicatus	72 hours
	EC50 > 1.8 mg/l (static)	Pseudokirchneriella	96 hours
	EC50 > 500 mg/l (IUCLID)	Daphnia magna	48 hours
	EC50 > 0.06 mg/l (static)	Daphnia magna	48 hours

Persistence and degradability : There is no data available

Bio accumulative potential

Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not applicable

Other adverse effects : No known significant effects or critical hazards

Section 13. Disposal Considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Dispose of in accordance with all applicable local, state, regional and federal regulations.

Section 14. Transportation Information

DOT : Not regulated as a dangerous good.

IATA : Not regulated as a dangerous good.

IMDG : Not regulated as a dangerous good.

Section 15. Regulatory Information

U.S. Federal regulations:

SARA 302/304

SARA 311/312

United States inventory (TSCA 8 b): all components are listed or exempted

: Not listed

: Carcinogenicity: Acute Toxicity: Reproductive Toxicity: Serious Eye damage/Eye irritation: Specific Target Organ Toxicity.

State regulations

California

: The following components are listed: Carbon black

Massachusetts

: The following components are listed: Calcium carbonate, Titanium dioxide & Carbon black.

Minnesota

: The following components are listed: Calcium carbonate, Titanium dioxide & Carbon black.

New Jersey

: The following components are listed: Calcium carbonate, Titanium dioxide & Carbon black.

Pennsylvania

: The following components are listed: Calcium carbonate, Titanium dioxide & Carbon black.

Section 15. Regulatory Information[California Prop.65](#)

WARNING: This product can expose you to chemicals including *Titanium dioxide, Diisononyl phthalate, and carbon black*, which is(are) known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov.

16. Other information

Date of revision:	1/14/2020
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Version	4
Prepared by	C. Rogalski

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