

## SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006 (REACH)

### 1. PRODUCT IDENTIFICATION

Trade Name(s): PM Sealant  
Product Description: Waterproofing sealant  
Synonyms: N/A  
CAS No: N/A

Supplier:  
EPRO Services, Inc.  
PO Box 347  
Derby, KS 67037  
800-882-1896 (8:00am – 5:00pm CST)

### 2. HAZARD(S) IDENTIFICATION

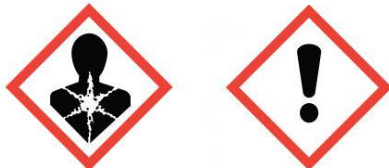
**OSHA/HCS status:** This material is considered hazardous by the OSHA Hazard Communication Standard (49CFR1910.1200).

#### 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 statements**

Harmful if swallowed. Causes serious eye irritation. May cause cancer. May damage fertility or the unborn child. 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.

**Response:** If exposed, call a POISON CENTER or physician if you feel unwell. 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. IF SWALLOWED, immediately call a POISON CENTER or physician. Rinse mouth. Get medical 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.

**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 available

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, with the current knowledge of the supplier and in the concentrations 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.

**4. FIRST-AID MEASURES****Description of necessary first aid measures**

**Eye contact:** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses if easy to do so. Continue rinsing. If irritation persists, get medical attention.

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

**Skin contact:** Wash with plenty of soap and water. If skin irritation or rash occurs, get medical attention. Remove contaminated clothing and wash before reuse.

**Ingestion:** If swallowed, immediately call a poison center or physician. DO NOT induce vomiting.

## **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:** Causes skin irritation.

**Ingestion:** Harmful if swallowed.

**Potential Delayed health effects:** May cause cancer. May damage fertility or the unborn child. Causes damage to organs. May cause damage to organs through prolonged or repeated exposure.

### **Over-exposure signs/symptoms**

**Eye contact:** Adverse symptoms may include pain or irritation, watering, or redness.

**Inhalation:** Adverse symptoms may include irritation of respiratory system.

**Skin contact:** Adverse symptoms may include irritation or redness.

**Ingestion:** Adverse symptoms may include nausea or vomiting.

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

**Notes to physician:** Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

**Specific treatments:** No specific treatment.

**Protection of first aiders:** No action shall be taken involving any personal risk or without suitable training.

## **5. FIRE-FIGHTING MEASURES**

### **Extinguishing media**

**Suitable extinguishing media:** Use dry chemical, CO<sub>2</sub>, water, or foam.

**Unsuitable extinguishing media:** Do not use high pressure water streams.

**Specific hazards arising from the chemical:** Upon decomposition, product emits carbon dioxide, carbon monoxide, and/or low molecular weight hydrocarbons.

**Hazardous thermal decomposition products:** Decomposition products may include carbon dioxide, carbon monoxide, and/or low molecular weight hydrocarbons.

**Special protective actions for firefighters:** Heating may cause an explosion. Containers may rupture or explode. Move containers 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.

**Special protective equipment for firefighters:** Firefighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## **6. ACCIDENTAL RELEASE MEASURES**

### **Personal precautions, protective equipment, and emergency procedures**

**For non-emergency personnel:** Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Shut off all ignition sources. No flares, smoking or flames in hazard area. 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 dispersal 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 containers 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.

## 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 or 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 release to 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 this 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 also 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 for use. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Occupational exposure limits

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

**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.

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

#### **Individual protection measures**

**Hygiene measures:** 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 workstation location.

**Eye/face protection:** Wear splash resistance safety goggles with a face shield.

**Hand protection:** 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.

**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.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical state:** Solid paste

**Odor:** Mild

**pH:** Not applicable

**Boiling point:** Not available

**Flash point:** 93.3°C (>200°F)

**Flammability (solid, gas):** Not applicable

**Lower explosive (flammable) limit:** Not available

**Decomposition temperature:** Not available

**Vapor density:** Not available

**Water solubility:** Slightly soluble

**Viscosity:** Not available

**VOC:** 9 g/L

**Color:** grey

**Odor threshold:** Not available

**Melting point:** Not applicable

**Freezing point range:** Not available

**Evaporation rate:** Not available

**Auto-ignition temperature:** Not available

**Upper explosive (flammable) limit:** Not available

**Vapor pressure:** Not available

**Specific gravity:** 1.3 – 1.7

**Partition coefficient n-octanol/water:** Not available

**Kinematic Viscosity:** Not available

## **10. STABILITY AND REACTIVITY**

**Reactivity:** No specific test data related to reactivity available for this product or its ingredients.

**Chemical stability:** Product is stable.

**Possibility of hazardous reactions:** Under normal conditions of storage and use hazardous reactions will not occur.

**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 strong oxidizers and strong acids.

**Hazardous decomposition products:** Upon decomposition, this product emits carbon monoxide, carbon dioxide, and/or molecular weight hydrocarbons.

## 11. TOXICOLOGICAL INFORMATION

### Information on toxicological effect

#### 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.

## 12. ECOLOGICAL INFORMATION (non-mandatory)

**Toxicity:** 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:** No data available

**Bioaccumulative potential**

**Mobility in soil**

**Soil/water partition coefficient (Koc):** Not applicable

**Other adverse effects:** No known significant effects or critical hazards.

### 13. DISPOSAL CONSIDERATIONS (non-mandatory)

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

### 14. TRANSPORT INFORMATION (non-mandatory)

**DOT:** Not regulated as a dangerous good.

**IATA:** Not regulated as a dangerous good.

**IMDG:** Not regulated as a dangerous good.

### 15. REGULATORY INFORMATION (non-mandatory)

**US Federal regulations: US inventory (TSCA 8b):** All components are listed or exempted

**SARA 302/304:** Not listed

**SARA 311/312:** 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

#### California Prop. 65

**WARNING:** This product can expose you to chemicals including Titanium dioxide, Diisononyl phthalate, and carbon black, which are known to the State of California to cause cancer.

### 16. OTHER INFORMATION

This information provided on this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designated only as a guide for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered as 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 material or in any process, unless specified in the text.