

Trade name: P2ZE-FLASH

Revision: May 01, 2025

1 Identification

- **Product identifier**
- **Trade name: P2ZE-FLASH**
- **Other means of identification: P2ZE-FLASH** OnePart, NonStaining, NonYellowing Sealant
- **Recommended use and restriction on use**
- **Recommended use:** Sealant
- **Restrictions on use:** No relevant information available.
- **Supplier:**
- Passivehouse Provisions, LLC
- 8 The Green, Suite A
- Dover, DE 19711
- 302-589-4172
- **Emergency telephone number:**
- CHEMTREC
- 18004249300 (US/Canada)

2 Hazard(s) identification

Classification of the substance or mixture

Skin Sens. 1 H317 May cause an allergic skin reaction.

Repr. 1B H360 May damage fertility or the unborn child.

Label elements

GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

· Hazard pictograms:



GHS07 GHS08 **Signal word:** Danger

Hazard statements:

H317 May cause an allergic skin reaction.

H360 May damage fertility or the unborn child.

Precautionary statements:

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P261 Avoid breathing dust/fume/gas/mist/vapors/spray

P272 Contaminated work clothing must not be allowed out of the workplace.

P280 Wear protective gloves/protective clothing/eye protection.

P302+P352 If on skin: Wash with plenty of soap and water.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P363 Wash contaminated clothing before reuse.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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- **Other hazards** There are no other hazards not otherwise classified that have been identified.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**

· Components:		
1317-65-3	Limestone	40-60%
471-34-1	Calcium carbonate	<10%
2768-02-7	trimethoxyvinylsilane Acute Tox. 4, H332	<3%
3069-29-2	N-[3-(dimethoxymethylsilyl)propyl]ethylenediamine Eye Dam. 1, H318 Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1A, H317	<1%
13463-67-7	Titanium dioxide	<2%
41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate Skin Sens. 1, H317	<1%
1760-24-3	N-(3-(trimethoxysilyl)propyl)ethylenediamine Eye Dam. 1, H318 Skin Sens. 1, H317	<1%
25973-55-1	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol PBT; vPvB STOT RE 2, H373 Combustible Dust	<1%
77-58-7	dibutyltin dilaurate Muta. 2, H341; Repr. 1B, H360; STOT SE 1, H370; STOT RE 1, H372 Skin Corr. 1C, H314 Skin Sens. 1, H317	<1%

Additional information:

Non-classification as a carcinogen is based on non-inhalable form of product. IARC listings for titanium dioxide note that the substance must be respirable.

For the wording of the listed Hazard Statements, refer to section 16.

For the listed ingredient(s), the identity and/or exact percentage(s) are being withheld as a trade secret.

4 First Aid Measures:

Description of first aid measures:

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Wash with soap and water. If skin irritation or rash occurs: Get medical advice/attention.
- **After eye contact:** Remove contact lenses if worn. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** Do not induce vomiting; immediately call for medical help.
- **Most important symptoms and effects, both acute and delayed:** Gastric or intestinal disorders when ingested.

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Slight irritant effect on eyes.

Allergic reactions

Slight irritant effect on eyes.

Allergic reactions

Danger: Suspected of damaging fertility or the unborn child.

Indication of any immediate medical attention and special treatment needed:

Contains N[3(dimethoxymethylsilyl)propyl]ethylenediamine, bis(1,2,2,6,6pentamethyl4piperidyl) sebacate, N(3(trimethoxysilyl)propyl)ethylenediamine, dibutyltin dilaurate. May produce an allergic reaction.

Treat skin and mucous membrane with antihistamine and corticoid preparations.

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
 - Carbon dioxide
 - Fireextinguishing powder
 - Gaseous extinguishing agents
 - Foam
 - Sand
 - Water fog / haze
- **For safety reasons unsuitable extinguishing agents:** Water stream.
- **Special hazards arising from the substance or mixture**
 - Formation of toxic gases is possible during heating or in case of fire.
- **Advice for firefighters**
- **Protective equipment:**
 - Wear selfcontained respiratory protective device.
 - Wear fully protective suit.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
 - Ensure adequate ventilation.
 - Use personal protective equipment as required.
- **Environmental precautions** Avoid release to the environment.
- **Methods and material for containment and cleaning up**
 - Towel or mop up material and collect in a suitable container.
 - For larger spills, add sawdust, chalk or other inert binding material, then sweep up and discard.
- **Reference to other sections**
 - See Section 7 for information on safe handling.
 - See Section 8 for information on personal protection equipment.
 - See Section 13 for disposal information.

7 Handling and storage

- **Handling**
- **Precautions for safe handling:**
 - Open and handle receptacle with care.

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Avoid contact with the eyes and skin.

- **Conditions for safe storage, including any incompatibilities · Requirements to be met by storerooms and receptacles:**
- Store in cool, dry conditions in well sealed receptacles.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Specific end use(s)** No relevant information available.
- **Control parameters**

8 Exposure controls/personal protection

Control parameters	
Components with limit values that require monitoring at the workplace:	
1317653 Limestone	
PEL (USA)	Longterm value: 15* 5** mg/m ³ *total dust **respirable fraction
REL (USA)	Longterm value: 10* 5** mg/m ³ *total dust **respirable fraction
TLV (USA)	TLV withdrawn
471341 Calcium carbonate	
PEL (USA)	Longterm value: 15* 5** mg/m ³ *total dust **respirable fraction
REL (USA)	Longterm value: 10* 5** mg/m ³ *total dust **respirable fraction
TLV (USA)	TLV withdrawn
2768027 trimethoxyvinylsilane	
EV (Canada)	Shortterm value: 60 mg/m ³ , 10 ppm
13463677 Titanium dioxide	
PEL (USA)	Longterm value: 15* mg/m ³ *total dust
REL (USA)	See Pocket Guide App. A
TLV (USA)	Longterm value: 10 mg/m ³
EL (Canada)	Longterm value: 10* 3** mg/m ³ *total dust; **respirable fraction; IARC 2B
EV (Canada)	Longterm value: 10 mg/m ³ total dust
LMPE (Mexico)	Longterm value: 10 mg/m ³ A4
77587 dibutyltin dilaurate	
PEL (USA)	Longterm value: 0.1 mg/m ³ as Sn
REL (USA)	Longterm value: 0.1 mg/m ³ as Sn, Skin

SAFETY DATA SHEET

According to OSHA HCS (29CFR 1910.1200) and WHMIS 2015 Regulations

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EL (Canada) EV	Short-term value: 0.2 mg/m ³ Long-term value: 0.1 mg/m ³ as Sn; Skin
EL (Canada)	Long-term value: 0.1 mg/m ³ as Sn, Skin
LMPE (Mexico)	Short-term value: 0.2 mg/m ³ Long-term value: 0.1 mg/m ³ A4, PIEL; como Sn

• **Exposure controls**

• **General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Avoid contact with the eyes and skin.

Avoid breathing mist, vapors, or spray.

• **Engineering controls:** No relevant information available.

• **Breathing equipment:**

Not required under normal conditions of use.

Use suitable respiratory protective device in case of insufficient ventilation.

NIOSH or EU approved dust respirator should be used for operations generating dust.

• **Protection of hands:**

Wear protective gloves to handle contents of damaged or leaking units.

9 Physical and chemical properties

- Information on basic physical and chemical properties
- Appearance:
- Form: Paste
- Color: According to product specification
- Odor: Mild
- Odor threshold: Not determined.
- pH-value: Not determined.
- Melting point/Melting range: Not determined.
- Boiling point/Boiling range: Not determined.
- Flash point: >93.3 °C (>199.9 °F)
- Flammability (solid, gaseous): Not applicable.
- Auto-ignition temperature: Not determined.
- Decomposition temperature: Not determined.
- Danger of explosion: Product does not present an explosion hazard.

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Explosion limits

Lower: Not determined.

Upper: Not determined.

Oxidizing properties: Non-oxidizing.

Vapor pressure: Not determined.

Density:

Relative density: 1.3-1.4

Vapor density: Not determined.

Evaporation rate: Not determined.

Solubility in / Miscibility with

Water: Insoluble.

Partition coefficient (n-octanol/water): Not determined.

Viscosity

Dynamic: Not determined.

Kinematic: Not determined.

VOC content: < 20 g/L

Other information No relevant information available.

10 Stability and reactivity

Reactivity: No relevant information available.**Chemical stability:** Stable under normal temperatures and pressures.**Thermal decomposition / conditions to be avoided:** No decomposition if used and stored according to specifications.**Possibility of hazardous reactions** Reacts with oxidizing agents.**Conditions to avoid** Excessive heat.**Incompatible materials** Oxidizers**Hazardous decomposition products**

Under fire conditions only: Carbon monoxide and carbon dioxide Nitrogen oxides (NOx)

11 Toxicological information

Information on toxicological effects**Acute toxicity:** Based on available data, the classification criteria are not met.**LD/LC50 values that are relevant for classification:**

77-58-7 dibutyltin dilaurate

Oral LD50 2071 mg/kg (rat)

Dermal LD50 >2000 mg/kg (rabbit)

Primary irritant effect:

On the skin: Based on available data, the classification criteria are not met.

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On the eye: Based on available data, the classification criteria are not met.

Sensitization:

Contains N-[3-(dimethoxymethylsilyl)propyl]ethylenediamine, bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate, N-(3-(trimethoxysilyl)propyl)ethylenediamine, dibutyltin dilaurate. May produce an allergic reaction.

IARC (International Agency for Research on Cancer):

Reference to chemical component(s) listed below are based on unbound respirable particles and are not generally applicable to product as supplied.

13463-67-7 Titanium dioxide 2B

NTP (National Toxicology Program):

None of the ingredients are listed.

OSHA-Ca (Occupational Safety & Health Administration):

None of the ingredients are listed.

Probable route(s) of exposure:

Ingestion.

Eye contact.

Skin contact.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity:

Contains known or suspect carcinogens when inhaled. Product is in non-inhalable form and is nonclassifiable as a carcinogen.

Reproductive toxicity: May damage fertility or the unborn child.

STOT-single exposure: Based on available data, the classification criteria are not met.

STOT-repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

12 Ecological information

Toxicity**Aquatic toxicity**

Harmful to aquatic life with long lasting effects.

41556-26-7 bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate

LC50 0.97 mg/l (lepomis macrochirus)

Persistence and degradability No relevant information available.

Bioaccumulative potential: No relevant information available.

Mobility in soil: No relevant information available.

Other adverse effects No relevant information available.

13 Disposal considerations

Waste treatment methods**Recommendation:**

Smaller quantities can be disposed of with household waste. Can be disposed of with household garbage after solidification following consultation with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations. The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

Uncleaned packagings

Recommendation: Disposal must be made according to official regulations.

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14 Transport information

<ul style="list-style-type: none"> · UNNumber · DOT, ADR/RID/ADN, IMDG, IATA 	<p style="text-align: right;">Not regulated.</p>
<ul style="list-style-type: none"> · UN proper shipping name · DOT, ADR/RID/ADN, IMDG, IATA 	<p style="text-align: right;">Not regulated.</p>
<ul style="list-style-type: none"> · Transport hazard class(es) · DOT, ADR/RID/ADN, IMDG, IATA · Class 	<p style="text-align: right;">Not regulated.</p>
<ul style="list-style-type: none"> · Packing group · DOT, ADR/RID/ADN, IMDG, IATA 	<p style="text-align: right;">Not regulated.</p>
<ul style="list-style-type: none"> · Environmental hazards · Marine pollutant: 	<p style="text-align: right;">No</p>
<ul style="list-style-type: none"> · Special precautions for user 	<p style="text-align: right;">Not applicable.</p>
<ul style="list-style-type: none"> · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code 	<p style="text-align: right;">Not applicable.</p>

15 Regulatory information

**Safety, health and environmental regulations/legislation specific for the substance or mixture
United States (USA)**

SARA

Section 302 (extremely hazardous substances):

None of the ingredients are listed.

Section 355 (extremely hazardous substances):

None of the ingredients are listed.

Section 313 (Specific toxic chemical listings):

None of the ingredients are listed.

TSCA (Toxic Substances Control Act)

All ingredients are listed or exempt.

Proposition 65 (California)

Chemicals known to cause cancer:

Reference to chemical component(s) listed below are based on unbound respirable particles and are not generally applicable to product as supplied.

13463-67-7 Titanium dioxide

Chemicals known to cause developmental toxicity for females:

None of the ingredients are listed.

Chemicals known to cause developmental toxicity for males:

None of the ingredients are listed.

Chemicals known to cause developmental toxicity:

None of the ingredients are listed.

EPA (Environmental Protection Agency):

None of the ingredients are listed.

IARC (International Agency for Research on Cancer):

Reference to chemical component(s) listed below are based on unbound respirable particles and are not generally applicable to product as supplied.

13463-67-7 Titanium dioxide 2B

Canadian Domestic Substances List (DSL): (Substances not listed.)

All ingredients are listed or exempt.

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16 Other Information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Abbreviations and acronyms:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

OSHA: Occupational Safety & Health Administration

Acute Tox. 4: Acute toxicity – Category 4

Skin Corr. 1C: Skin corrosion/irritation – Category 1C

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Skin Sens. 1: Skin sensitisation – Category 1

Skin Sens. 1A: Skin sensitisation – Category 1A

Muta. 2: Germ cell mutagenicity – Category 2

Repr. 1B: Reproductive toxicity – Category 1B

STOT SE 1: Specific target organ toxicity (single exposure) – Category 1

STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Sources

Website, European Chemicals Agency (echa.europa.eu)

Website, US EPA Substance Registry Services (ofmpub.epa.gov/sorinternet/registry/substreg/home/overview/home.do)

Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org)