

PRODUCT NAME: PerimaSeal™ Premium Smooth-Finish Indoor/Outdoor Caulk & Sealant
COLOR: Chocolate

REVISION DATE: October 26, 2015

1. PRODUCT AND COMPANY IDENTIFICATION

Commercial Product Name: PerimaSeal™ Premium Smooth-Finish Indoor/Outdoor Caulk & Sealant

Product Classification: Caulk, Sealant

Supplier:

Continental Products LLC.

1150 East 222nd street

Euclid, Ohio, 44117

PHONE: 216-531-0710

FAX: 216-289-1745

General Description: Siliconized acrylic caulk

Physical Form: Paste

Color: Chocolate

Odor: Slight mild odor

NFPA PROFILE: Health – 2 Flammability – 1 Instability/Reactivity - 0

Note: NFPA = National Fire Protection Association

2. HAZARDS IDENTIFICATION

OSHA/HCS Status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture: CARCINOGENICITY - Category 1A

Physical Hazards: Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 72.5%

GHS Label Elements: Not classified

Signal Word:

Danger

GHS Pictograms:

Harmful, Health Hazard



Hazard Statement: May cause eye/lung/ skin irritation. May cause Cancer. May cause genetic defects. May cause damage to organs through prolonged exposure.

Precautionary Statement: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves / protective clothing / eye protection / face protection. Wash well after handling. Contaminated work clothing should not be allowed out of work place.

Response: **SKIN:** Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical attention / advice. Get medical attention / advice if you feel unwell. **EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritant persists, get medical attention / advice.

If exposed or concerned: get medical attention or advice. Take off contaminated clothing and wash it before reuse.

Storage: Store locked up.



Disposal:	Disposal of contents / container in accordance with local / regional /state / federal and international regulations.
Hazard(S) not Otherwise classified (HNOC):	None known.
Supplemental Information: Substance(s) formed under the conditions of use:	Sanding and grinding dusts may be harmful if inhaled. This product contains Crystalline Silica which can cause lung cancer or silicosis. The risk of cancer depends on the duration and level of exposure to dust from sanding surfaces or mist from spray applications. Since this product is not meant to be sanded or sprayed, risk of exposure is considered low. Avoid contact with skin and clothing. Wash thoroughly after handling.
	Emits toxic fumes when heated.
HMIS (Ratings):	Health: 2* Chronic effects Flammability: 1 Physical hazard: 0 Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

3. COMPOSITION/ INGREDIENTS

Substance/mixture:	Mixture
Product Name:	PerimaSeal Premium Smooth-Finish Indoor/Outdoor Caulk & Sealant

Ingredient name	%	CAS number
Limestone	30 - 60	1317-65-3
Titanium Dioxide	0.1 – 1.5	13463-67-7
Acetaldehyde	0.1 - 1	75-07-0
Vinyl Acetate	0.1 - 1	108-05-4
Crystalline Silica, respirable powder (<10 microns)	0.1 – 1	14808-60-7
Ethylene Glycol	0.5 - 1.5	107-21-1

SUB codes represent substances without registered CAS Numbers.
 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 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

If ingestion, irritation, any type of overexposure or symptoms of overexposure occur during or persists after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN immediately; have Safety Data Sheet information available. Never give anything by mouth to an unconscious or convulsing person.

Description of necessary first aid measures

Eye Contact:	Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.
Inhalation:	Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
Skin Contact:	

Ingestion:	Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners. If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do NOT induce vomiting.
Most important symptoms/effects, acute and delayed	
Potential acute health effects	
Eye Contact:	Direct contact may cause slight to moderate irritation.
Inhalation:	May cause slight irritation to respiratory passages – headache – dizziness. May cause allergic skin reactions and / or central nervous system depression.
Skin Contact:	No known significant effects or critical hazards. Low ingestion hazard.
Ingestion:	
Over-exposure signs/symptoms	
Eye Contact:	No specific data.
Inhalation:	No specific data.
Skin Contact:	No specific data.
Ingestion:	No specific data.
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. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

5. FIRE FIGHTING MEASURES	
Suitable extinguishing media:	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media:	None known.
Specific hazards arising from the chemical:	In a fire or if heated, a pressure increase will occur, and the container may burst. This material is harmful to aquatic life. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Hazardous thermal decomposition products	Decomposition products may include the following materials: carbon dioxide, carbon monoxide, metal oxide/oxides
Specific protective equipment and precautions for firefighters:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Fire Fighting equipment / Instructions:	Move containers from fire area if you can do so without risk.
General fire hazards:	Fire-fighters 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: 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 through spilled material. Put on appropriate personal protective equipment.



<p>Methods and materials for containment and cleaning up:</p>	<p>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".</p> <p>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).</p> <p>Large Spills: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth 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.</p> <p>Small Spills: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.</p>
<p>Environmental precautions:</p>	<p>Prevent further leakage or spillage if safe to do so.</p>

7. HANDLING AND STORAGE

<p>Precaution for safe handling:</p>	<p>Protective measures: Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.</p>
<p>Conditions for safe storage, including any incompatibilities</p>	<p>Special precautions: If this material is part of a multiple component system, read the Safety Data Sheet(s) for the other component or components before blending as the resulting mixture may have the hazards of all of its parts.</p> <p>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.</p> <p>Do not store below the following temperature: 5°C (41°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.</p>

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters: Occupational exposure limits	
Ingredient name Limestone	Exposure limits OSHA PEL (United States, 2/2013). TWA: 5 mg/m ³ 8 hours. Form: Respirable fraction



Titanium Dioxide	TWA: 15 mg/m ³ 8 hours. Form: Total dust OSHA PEL (United States, 2/2013). TWA: 15 mg/m ³ 8 hours. Form: Total dust ACGIH TLV (United States, 6/2013).
Acetaldehyde	TWA: 10 mg/m ³ 8 hours. ACGIH TLV (United States, 6/2013). C: 45 mg/m ³ C: 25 ppm OSHA PEL (United States, 2/2013). TWA: 360 mg/m ³ 8 hours. TWA: 200 ppm 8 hours.
Vinyl Acetate	ACGIH TLV (United States, 6/2013). STEL: 53 mg/m ³ 15 minutes. STEL: 15 ppm 15 minutes. TWA: 35 mg/m ³ 8 hours. TWA: 10 ppm 8 hours. ACGIH TLV (United States, 6/2013). TWA: 0.025 mg/m ³ 8 hours. Form: Respirable
Crystalline Silica, respirable powder (<10 microns)	OSHA PEL Z3 (United States, 2/2013). TWA: 10 MG/M3 / (%SiO ₂ +2) 8 hours. Form: Respirable TWA: 250 MPPCF / (%SiO ₂ +5) 8 hours. Form: Respirable
Ethylene Glycol	OSHA PEL (United States, 2/2013). TWA: 5 mg/m ³ 8 hours. ACGIH TLV (United States, 6/2013). C: 100 mg/m ³ Form: Aerosol

Key to abbreviations

- A = Acceptable Maximum Peak
- S = Potential skin absorption
- ACGIH = American Conference of Governmental Industrial Hygienists.
- C = Ceiling Limit
- SR = Respiratory sensitization
- SS = Skin sensitization
- F = Fume
- STEL = Short term Exposure limit values
- IPEL = Internal Permissible Exposure Limit
- TD = Total dust
- OSHA = Occupational Safety and Health Administration.
- TLV = Threshold Limit Value
- R = Respirable
- TWA = Time Weighted Average
- Z = OSHA 29CFR 1910.1200 Subpart Z - Toxic and Hazardous Substances

Consult local authorities for acceptable exposure limits.

Recommended monitoring procedures:

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

Appropriate engineering controls:

If user operations generate dust, fumes, gas, vapor or mist, 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

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. 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 workstation location. Safety glasses with side shields.
Eye/face protection Skin protection 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. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
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.
Other skin protection:	Appropriate footwear and any additional skin protection measures 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	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. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

9. PHYSICAL/CHEMICAL CHARACTERISTICS

Appearance	
Physical state:	Paste
Color:	Chocolate
Odor:	Mild Acrylic
Odor threshold:	Not available.
pH:	7.5-8.5
Melting point:	Not available.
Boiling point:	>37.78°C (>100°F)
Flash point:	Closed cup: >93.89°C (>201°F)
Material supports combustion:	Yes.
Auto-ignition temperature:	Not available.
Flammability (solid, gas):	Not available.
Lower and upper explosive (flammable) limits:	Not available.
Evaporation rate:	0.33 (butyl acetate = 1)
Vapor pressure:	2.3 kPa (17.5 mm Hg) [room temperature]
Vapor density:	Not available.
Relative density:	1.68
Density (lbs/gal)	14.02

Solubility:	Soluble in water.
Partition coefficient: n-octanol/water:	Not available.
Viscosity:	15-40 g/s
% Solid. (w/w)	82.9

10. STABILITY AND REACTIVITY	
Reactivity	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	The product is stable.
Possibility of hazardous Reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	When exposed to high temperatures may produce hazardous decomposition products. Refer to protective measures listed in sections 7 and 8.
Incompatible materials	Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids.
Hazardous decomposition products:	Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

11. TOXICOLOGICAL INFORMATION				
Information on toxicological effects				
Acute toxicity				
Product/ingredient name	Result	Species	Dose	Exposure
Titanium Dioxide	LD50 Oral	Rat	>10 g/kg	-
Acetaldehyde	LC50 Inhalation Gas.	Rat	13300 ppm	4 hours
	LD50 Dermal	Rabbit	3540 mg/kg	-
Ethylene Glycol	LD50 Oral	Rat	661 mg/kg	-
	LD50 Dermal	Rabbit	9.53 g/kg	-
	LD50 Oral	Rat	4700 mg/kg	-
Vinyl Acetate	LC50 Inhalation Vapor	Mouse	1460 ppm	4 hours
	LC50 Inhalation Vapor	Rat	11400 mg/m ³	4 hours
	LC50 Inhalation Vapor	Rat	3680 ppm	4 hours
	LD50 Dermal	Rabbit	2335 mg/kg	-
	LD50 Oral	Rat	2.5 g/kg	-
Conclusion/Summary:	There are no data available on the mixture itself.			
Irritation/Corrosion				
Conclusion/Summary	There are no data available on the mixture itself.			
Skin:	There are no data available on the mixture itself.			
Eyes:	There are no data available on the mixture itself.			
Respiratory:	There are no data available on the mixture itself.			
Sensitization				
Conclusion/Summary	There are no data available on the mixture itself.			
Skin:	There are no data available on the mixture itself.			
Respiratory:	There are no data available on the mixture itself.			
Mutagenicity				
Conclusion/Summary:	There are no data available on the mixture itself.			
Carcinogenicity				
Conclusion/Summary:	There are no data available on the mixture itself.			
Classification				

Product/ingredient name	OSHA	IARC	NTP
Titanium Dioxide	-	2B	-
Acetaldehyde	-	1	Reasonably anticipated to be a human carcinogen.
Vinyl Acetate	-	2B	-
Crystalline Silica, respirable powder (<10 microns)	-	1	Known to be a human carcinogen.

Carcinogen Classification code:

IARC: 1, 2A, 2B, 3, 4

NTP: Known to be a human carcinogen; Reasonably anticipated to be a human carcinogen

OSHA: +

Not listed/not regulated: -

Reproductive toxicity

Conclusion/Summary: There are no data available on the mixture itself.

Teratogenicity

Conclusion/Summary: There are no data available on the mixture itself.

Specific target organ toxicity (single exposure)

Name	Category
Acetaldehyde	Category 3
Vinyl Acetate	Category 3

Specific target organ toxicity (repeated exposure)

Name	Category
Vinyl Acetate	Category 1
Crystalline Silica, respirable powder (<10 microns)	Category 2
Ethylene Glycol	Category 2

Target organs: Contains material which may cause damage to the following organs: lungs, upper respiratory tract, skin, eyes.

Aspiration hazard

Not available.

Information on the likely routes of exposure

Potential acute health effects

Eye contact No known significant effects or critical hazards.

Inhalation No known significant effects or critical hazards.

Skin contact No known significant effects or critical hazards.

Ingestion No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact No specific data.

Inhalation No specific data.

Skin contact No specific data.

Ingestion No specific data.

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

Conclusion/Summary: There are no data available on the mixture itself. This product contains crystalline silica which can cause lung cancer or silicosis. The risk of cancer depends on the duration and level of exposure to dust from sanding surfaces or mist from spray applications. If splashed in the eyes, the liquid may cause irritation and reversible damage. Ingestion may cause nausea, diarrhea and vomiting. This considers, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Short term exposure

Potential immediate effects: There are no data available on the mixture itself.

Potential delayed effects:

Long term exposure	There are no data available on the mixture itself.
Potential immediate effects:	
Potential delayed effects:	There are no data available on the mixture itself.
Potential chronic health effects	There are no data available on the mixture itself.
General:	No known significant effects or critical hazards.
Carcinogenicity:	May cause cancer. Risk of cancer depends on duration and level of exposure.
Mutagenicity:	No known significant effects or critical hazards.
Teratogenicity:	No known significant effects or critical hazards.
Developmental effects:	No known significant effects or critical hazards.
Fertility effects:	No known significant effects or critical hazards.
Numerical measures of toxicity	
Acute toxicity estimates	
Route	ATE value
Oral	13704.4 mg/kg

12. ECOLOGICAL CONSIDERATIONS

Toxicity

Product/ingredient name	Result	Species	Exposure
Titanium Dioxide	Acute EC50 100 mg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
Vinyl Acetate	Acute LC50 31080 to 36630 µg/l Fresh water	Fish - Poecilia reticulata	96 hours

Persistence and degradability: Not available.

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
Acetaldehyde	-0.34	-	low
Vinyl Acetate	0.73	-	low
Ethylene Glycol	-1.36	-	low

Mobility in soil

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

13. DISPOSAL CONSIDERATIONS

Disposal methods: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should always comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations. Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees. Section 6. Accidental release measures



14. TRANSPORT INFORMATION

	DOT	IMDG	IATA
UN number	UN3082	Not regulated.	Not regulated.
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (carbendazim (ISO))	-	-
Transport hazard class (es)	9	-	-
Packing group	III	-	-
Environmental hazards	No.	No.	No.
Marine pollutant substances	Not applicable.	Not applicable.	Not applicable.
Product RQ (lbs)	25000	Not applicable.	Not applicable.
RQ substances	(carbendazim (ISO))	Not applicable.	Not applicable.

Additional information
 DOT: Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.
 IMDG: None identified.
 IATA: None identified.
 Special precautions for user: Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

15. REGULATORY INFORMATION

United States inventory (TSCA 8b): All components are listed or exempted.
 Australia inventory (AICS): Not determined.
 Canada inventory (DSL): At least one component is not listed.
 China inventory (IECSC): Not determined.
 Europe inventory (REACH): Please contact your supplier for information on the inventory status of this material.
 Japan inventory (ENCS): Not determined.
 Korea inventory (KECI): Not determined.
 New Zealand (NZIoC): Not determined.
 Philippines inventory (PICCS): Not determined.

United States
 U.S. Federal regulations: SARA 302/304
 SARA 304 RQ : 711338.7 lbs / 322947.8 kg [50855.5 gal / 192509.2 L]
 Composition/information on ingredients

Name	EHS	SARA 302 TPQ		SARA 304 RQ	
		(lbs)	(gallons)	(lbs)	(gallons)
Vinyl Acetate	Yes.	1000	129	5000	644.8

SARA 311/312
 Classification : Delayed (chronic) health hazard
 Composition/information on ingredients



Name	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Titanium Dioxide	No.	No.	No.	No.	Yes.
Acetaldehyde	Yes.	No.	No.	Yes.	Yes.
Vinyl Acetate	Yes.	No.	Yes.	Yes.	Yes.
Ethylene Glycol	No.	No.	No.	Yes.	Yes.
Crystalline Silica, respirable powder	No.	No.	No.	No.	Yes.

Pennsylvania (worker and community right to know act): The following components are cited in the Pennsylvania Hazardous Substances List and are present at levels that require reporting.

Ethylene Glycol 107-21-1 <2%
SARA 313

Supplier notification:	Chemical name	CAS Number	Concentration
	Acetaldehyde	75-07-0	0.1-1
	Vinyl Acetate	108-05-4	0.1-1

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

California Prop. 65

WARNING: This product contains trace amounts of components known to the state of California to cause cancer, birth defects, or other reproductive harm.

16. OTHER INFORMATION

Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
UN = United Nations

Prepared by: Continental Products Company

These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

www.continentalprod.com

PRODUCT NAME: PerimaSeal™ Premium Smooth-Finish Indoor/Outdoor Caulk & Sealant COLOR: Honeycomb	REVISION DATE: October 26, 2015
--	--

1. PRODUCT AND COMPANY IDENTIFICATION

Commercial Product Name: PerimaSeal™ Premium Smooth-Finish Indoor/Outdoor Caulk & Sealant

Product Classification: Caulk, Sealant

Supplier:

Continental Products LLC.

1150 East 222nd street

Euclid, Ohio, 44117

PHONE: 216-531-0710

FAX: 216-289-1745

General Description: Siliconized acrylic caulk

Physical Form: Paste

Color: Honeycomb

Odor: Slight mild odor

NFPA PROFILE: Health – 2 Flammability – 1 Instability/Reactivity - 0

Note: NFPA = National Fire Protection Association

2. HAZARDS IDENTIFICATION

OSHA/HCS Status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture: CARCINOGENICITY - Category 1A

Physical Hazards: Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 72.5%

GHS Label Elements: Not classified

Signal Word:

Danger

GHS Pictograms:

Harmful, Health Hazard



Hazard Statement: May cause eye/lung/ skin irritation. May cause Cancer. May cause genetic defects. May cause damage to organs through prolonged exposure.

Precautionary Statement: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves / protective clothing / eye protection / face protection. Wash well after handling. Contaminated work clothing should not be allowed out of work place.

Response: **SKIN:** Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical attention / advice. Get medical attention / advice if you feel unwell. **EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritant persists, get medical attention / advice.

If exposed or concerned: get medical attention or advice. Take off contaminated clothing and wash it before reuse.

Storage: Store locked up.



Disposal:	Disposal of contents / container in accordance with local / regional /state / federal and international regulations.
Hazard(S) not Otherwise classified (HNOC):	None known.
Supplemental Information: Substance(s) formed under the conditions of use:	Sanding and grinding dusts may be harmful if inhaled. This product contains Crystalline Silica which can cause lung cancer or silicosis. The risk of cancer depends on the duration and level of exposure to dust from sanding surfaces or mist from spray applications. Since this product is not meant to be sanded or sprayed, risk of exposure is considered low. Avoid contact with skin and clothing. Wash thoroughly after handling.
	Emits toxic fumes when heated.
HMIS (Ratings):	Health: 2* Chronic effects Flammability: 1 Physical hazard: 0 Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

3. COMPOSITION/ INGREDIENTS

Substance/mixture:	Mixture
Product Name:	PerimaSeal Premium Smooth-Finish Indoor/Outdoor Caulk & Sealant

Ingredient name	%	CAS number
Limestone	30 - 60	1317-65-3
Titanium Dioxide	0.1 – 1.5	13463-67-7
Acetaldehyde	0.1 - 1	75-07-0
Vinyl Acetate	0.1 - 1	108-05-4
Crystalline Silica, respirable powder (<10 microns)	0.1 – 1	14808-60-7
Ethylene Glycol	0.5 - 1.5	107-21-1

SUB codes represent substances without registered CAS Numbers.
 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 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

If ingestion, irritation, any type of overexposure or symptoms of overexposure occur during or persists after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN immediately; have Safety Data Sheet information available. Never give anything by mouth to an unconscious or convulsing person.

Description of necessary first aid measures

Eye Contact:	Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.
Inhalation:	Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
Skin Contact:	

Ingestion:	Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners. If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do NOT induce vomiting.
Most important symptoms/effects, acute and delayed	
Potential acute health effects	
Eye Contact:	Direct contact may cause slight to moderate irritation.
Inhalation:	May cause slight irritation to respiratory passages – headache – dizziness. May cause allergic skin reactions and / or central nervous system depression.
Skin Contact:	No known significant effects or critical hazards. Low ingestion hazard.
Ingestion:	
Over-exposure signs/symptoms	
Eye Contact:	No specific data.
Inhalation:	No specific data.
Skin Contact:	No specific data.
Ingestion:	No specific data.
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. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media:	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media:	None known.
Specific hazards arising from the chemical:	In a fire or if heated, a pressure increase will occur, and the container may burst. This material is harmful to aquatic life. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Hazardous thermal decomposition products	Decomposition products may include the following materials: carbon dioxide, carbon monoxide, metal oxide/oxides
Specific protective equipment and precautions for firefighters:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Fire Fighting equipment / Instructions:	Move containers from fire area if you can do so without risk.
General fire hazards:	Fire-fighters 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: 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 through spilled material. Put on appropriate personal protective equipment.
--	---



<p>Methods and materials for containment and cleaning up:</p>	<p>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".</p> <p>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).</p> <p>Large Spills: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth 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.</p> <p>Small Spills: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.</p>
<p>Environmental precautions:</p>	<p>Prevent further leakage or spillage if safe to do so.</p>

7. HANDLING AND STORAGE

<p>Precaution for safe handling:</p>	<p>Protective measures: Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.</p>
<p>Conditions for safe storage, including any incompatibilities</p>	<p>Special precautions: If this material is part of a multiple component system, read the Safety Data Sheet(s) for the other component or components before blending as the resulting mixture may have the hazards of all of its parts.</p> <p>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.</p> <p>Do not store below the following temperature: 5°C (41°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.</p>

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters: Occupational exposure limits	
Ingredient name Limestone	Exposure limits OSHA PEL (United States, 2/2013). TWA: 5 mg/m ³ 8 hours. Form: Respirable fraction



Titanium Dioxide	TWA: 15 mg/m ³ 8 hours. Form: Total dust OSHA PEL (United States, 2/2013). TWA: 15 mg/m ³ 8 hours. Form: Total dust ACGIH TLV (United States, 6/2013).
Acetaldehyde	TWA: 10 mg/m ³ 8 hours. ACGIH TLV (United States, 6/2013). C: 45 mg/m ³ C: 25 ppm OSHA PEL (United States, 2/2013). TWA: 360 mg/m ³ 8 hours. TWA: 200 ppm 8 hours.
Vinyl Acetate	ACGIH TLV (United States, 6/2013). STEL: 53 mg/m ³ 15 minutes. STEL: 15 ppm 15 minutes. TWA: 35 mg/m ³ 8 hours. TWA: 10 ppm 8 hours.
Crystalline Silica, respirable powder (<10 microns)	ACGIH TLV (United States, 6/2013). TWA: 0.025 mg/m ³ 8 hours. Form: Respirable OSHA PEL Z3 (United States, 2/2013). TWA: 10 MG/M3 / (%SiO ₂ +2) 8 hours. Form: Respirable TWA: 250 MPPCF / (%SiO ₂ +5) 8 hours. Form: Respirable
Ethylene Glycol	OSHA PEL (United States, 2/2013). TWA: 5 mg/m ³ 8 hours. ACGIH TLV (United States, 6/2013). C: 100 mg/m ³ Form: Aerosol

Key to abbreviations

- A = Acceptable Maximum Peak
- S = Potential skin absorption
- ACGIH = American Conference of Governmental Industrial Hygienists.
- C = Ceiling Limit
- SR = Respiratory sensitization
- SS = Skin sensitization
- F = Fume
- STEL = Short term Exposure limit values
- IPEL = Internal Permissible Exposure Limit
- TD = Total dust
- OSHA = Occupational Safety and Health Administration.
- TLV = Threshold Limit Value
- R = Respirable
- TWA = Time Weighted Average
- Z = OSHA 29CFR 1910.1200 Subpart Z - Toxic and Hazardous Substances

Consult local authorities for acceptable exposure limits.

Recommended monitoring procedures:

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

Appropriate engineering controls:

If user operations generate dust, fumes, gas, vapor or mist, 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

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. 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 workstation location. Safety glasses with side shields.
Eye/face protection Skin protection 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. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
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.
Other skin protection:	Appropriate footwear and any additional skin protection measures 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	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. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

9. PHYSICAL/CHEMICAL CHARACTERISTICS

Appearance	
Physical state:	Paste
Color:	Honeycomb
Odor:	Mild Acrylic
Odor threshold:	Not available.
pH:	7.5-8.5
Melting point:	Not available.
Boiling point:	>37.78°C (>100°F)
Flash point:	Closed cup: >93.89°C (>201°F)
Material supports combustion:	Yes.
Auto-ignition temperature:	Not available.
Flammability (solid, gas):	Not available.
Lower and upper explosive (flammable) limits:	Not available.
Evaporation rate:	0.33 (butyl acetate = 1)
Vapor pressure:	2.3 kPa (17.5 mm Hg) [room temperature]
Vapor density:	Not available.
Relative density:	1.68
Density (lbs/gal)	14.02

Solubility:	Soluble in water.
Partition coefficient: n-octanol/water:	Not available.
Viscosity:	15-40 g/s
% Solid. (w/w)	82.9

10. STABILITY AND REACTIVITY	
Reactivity	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	The product is stable.
Possibility of hazardous Reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	When exposed to high temperatures may produce hazardous decomposition products. Refer to protective measures listed in sections 7 and 8.
Incompatible materials	Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids.
Hazardous decomposition products:	Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

11. TOXICOLOGICAL INFORMATION	
Information on toxicological effects	
Acute toxicity	
Product/ingredient name	Result
Titanium Dioxide	LD50 Oral
Acetaldehyde	LC50 Inhalation Gas.
	LD50 Dermal
	LD50 Oral
Ethylene Glycol	LD50 Dermal
	LD50 Oral
Vinyl Acetate	LC50 Inhalation Vapor
	LC50 Inhalation Vapor
	LC50 Inhalation Vapor
	LD50 Dermal
	LD50 Oral
Species	Dose
Rat	>10 g/kg
Rat	13300 ppm
Rabbit	3540 mg/kg
Rat	661 mg/kg
Rabbit	9.53 g/kg
Rat	4700 mg/kg
Mouse	1460 ppm
Rat	11400 mg/m ³
Rat	3680 ppm
Rabbit	2335 mg/kg
Rat	2.5 g/kg
Exposure	
-	
4 hours	
-	
-	
-	
4 hours	
4 hours	
4 hours	
-	
-	
Conclusion/Summary: There are no data available on the mixture itself.	
Irritation/Corrosion	
Conclusion/Summary	
Skin:	There are no data available on the mixture itself.
Eyes:	There are no data available on the mixture itself.
Respiratory:	There are no data available on the mixture itself.
Sensitization	
Conclusion/Summary	
Skin:	There are no data available on the mixture itself.
Respiratory:	There are no data available on the mixture itself.
Mutagenicity	
Conclusion/Summary: There are no data available on the mixture itself.	
Carcinogenicity	
Conclusion/Summary: There are no data available on the mixture itself.	
Classification	

Product/ingredient name	OSHA	IARC	NTP
Titanium Dioxide	-	2B	-
Acetaldehyde	-	1	Reasonably anticipated to be a human carcinogen.
Vinyl Acetate	-	2B	-
Crystalline Silica, respirable powder (<10 microns)	-	1	Known to be a human carcinogen.

Carcinogen Classification code:
 IARC: 1, 2A, 2B, 3, 4
 NTP: Known to be a human carcinogen; Reasonably anticipated to be a human carcinogen
 OSHA: +
 Not listed/not regulated: -

Reproductive toxicity
 Conclusion/Summary: There are no data available on the mixture itself.

Teratogenicity
 Conclusion/Summary: There are no data available on the mixture itself.

Specific target organ toxicity (single exposure)

Name	Category
Acetaldehyde	Category 3
Vinyl Acetate	Category 3

Specific target organ toxicity (repeated exposure)

Name	Category
Vinyl Acetate	Category 1
Crystalline Silica, respirable powder (<10 microns)	Category 2
Ethylene Glycol	Category 2

Target organs: Contains material which may cause damage to the following organs: lungs, upper respiratory tract, skin, eyes.

Aspiration hazard
 Not available.

Information on the likely routes of exposure

Potential acute health effects

Eye contact	No known significant effects or critical hazards.
Inhalation	No known significant effects or critical hazards.
Skin contact	No known significant effects or critical hazards.
Ingestion	No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact	No specific data.
Inhalation	No specific data.
Skin contact	No specific data.
Ingestion	No specific data.

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

Conclusion/Summary: There are no data available on the mixture itself. This product contains crystalline silica which can cause lung cancer or silicosis. The risk of cancer depends on the duration and level of exposure to dust from sanding surfaces or mist from spray applications. If splashed in the eyes, the liquid may cause irritation and reversible damage. Ingestion may cause nausea, diarrhea and vomiting. This considers, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Short term exposure
 Potential immediate effects: There are no data available on the mixture itself.
 Potential delayed effects:

Long term exposure	There are no data available on the mixture itself.
Potential immediate effects:	
Potential delayed effects:	There are no data available on the mixture itself.
Potential chronic health effects	There are no data available on the mixture itself.
General:	No known significant effects or critical hazards.
Carcinogenicity:	May cause cancer. Risk of cancer depends on duration and level of exposure.
Mutagenicity:	No known significant effects or critical hazards.
Teratogenicity:	No known significant effects or critical hazards.
Developmental effects:	No known significant effects or critical hazards.
Fertility effects:	No known significant effects or critical hazards.
Numerical measures of toxicity	
Acute toxicity estimates	
Route	ATE value
Oral	13704.4 mg/kg

12. ECOLOGICAL CONSIDERATIONS

Toxicity

Product/ingredient name	Result	Species	Exposure
Titanium Dioxide	Acute EC50 100 mg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
Vinyl Acetate	Acute LC50 31080 to 36630 µg/l Fresh water	Fish - Poecilia reticulata	96 hours

Persistence and degradability: Not available.

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
Acetaldehyde	-0.34	-	low
Vinyl Acetate	0.73	-	low
Ethylene Glycol	-1.36	-	low

Mobility in soil

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

13. DISPOSAL CONSIDERATIONS

Disposal methods: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should always comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations. Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees. Section 6. Accidental release measures



14. TRANSPORT INFORMATION

	DOT	IMDG	IATA
UN number	UN3082	Not regulated.	Not regulated.
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (carbendazim (ISO))	-	-
Transport hazard class (es)	9	-	-
Packing group	III	-	-
Environmental hazards	No.	No.	No.
Marine pollutant substances	Not applicable.	Not applicable.	Not applicable.
Product RQ (lbs)	25000	Not applicable.	Not applicable.
RQ substances	(carbendazim (ISO))	Not applicable.	Not applicable.

Additional information
 DOT: Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.
 IMDG: None identified.
 IATA: None identified.
 Special precautions for user: Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

15. REGULATORY INFORMATION

United States inventory (TSCA 8b): All components are listed or exempted.
 Australia inventory (AICS): Not determined.
 Canada inventory (DSL): At least one component is not listed.
 China inventory (IECSC): Not determined.
 Europe inventory (REACH): Please contact your supplier for information on the inventory status of this material.
 Japan inventory (ENCS): Not determined.
 Korea inventory (KECI): Not determined.
 New Zealand (NZIoC): Not determined.
 Philippines inventory (PICCS): Not determined.

United States
 U.S. Federal regulations: SARA 302/304
 SARA 304 RQ : 711338.7 lbs / 322947.8 kg [50855.5 gal / 192509.2 L]
 Composition/information on ingredients

Name	EHS	SARA 302 TPQ		SARA 304 RQ	
		(lbs)	(gallons)	(lbs)	(gallons)
Vinyl Acetate	Yes.	1000	129	5000	644.8

SARA 311/312
 Classification : Delayed (chronic) health hazard
 Composition/information on ingredients



Name	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Titanium Dioxide	No.	No.	No.	No.	Yes.
Acetaldehyde	Yes.	No.	No.	Yes.	Yes.
Vinyl Acetate	Yes.	No.	Yes.	Yes.	Yes.
Ethylene Glycol	No.	No.	No.	Yes.	Yes.
Crystalline Silica, respirable powder	No.	No.	No.	No.	Yes.

Pennsylvania (worker and community right to know act): The following components are cited in the Pennsylvania Hazardous Substances List and are present at levels that require reporting.

Ethylene Glycol 107-21-1 <2%
SARA 313

Supplier notification:	Chemical name	CAS Number	Concentration
	Acetaldehyde	75-07-0	0.1-1
	Vinyl Acetate	108-05-4	0.1-1

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

California Prop. 65

WARNING: This product contains trace amounts of components known to the state of California to cause cancer, birth defects, or other reproductive harm.

16. OTHER INFORMATION

Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
UN = United Nations

Prepared by: Continental Products Company

These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

www.continentalprod.com

PRODUCT NAME: PerimaSeal™ Premium Smooth-Finish Indoor/Outdoor Caulk & Sealant COLOR: Khaki	REVISION DATE: October 26, 2015
--	--

1. PRODUCT AND COMPANY IDENTIFICATION

Commercial Product Name: PerimaSeal™ Premium Smooth-Finish Indoor/Outdoor Caulk & Sealant

Product Classification: Caulk, Sealant

Supplier:

Continental Products LLC.

1150 East 222nd street

Euclid, Ohio, 44117

PHONE: 216-531-0710

FAX: 216-289-1745

General Description: Siliconized acrylic caulk

Physical Form: Paste

Color: Khaki

Odor: Slight mild odor

NFPA PROFILE: Health – 2 Flammability – 1 Instability/Reactivity - 0

Note: NFPA = National Fire Protection Association

2. HAZARDS IDENTIFICATION

OSHA/HCS Status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture: CARCINOGENICITY - Category 1A

Physical Hazards: Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 72.5%

GHS Label Elements: Not classified

Signal Word:

Danger

GHS Pictograms:

Harmful, Health Hazard



Hazard Statement: May cause eye/lung/ skin irritation. May cause Cancer. May cause genetic defects. May cause damage to organs through prolonged exposure.

Precautionary Statement: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves / protective clothing / eye protection / face protection. Wash well after handling. Contaminated work clothing should not be allowed out of work place.

Response: **SKIN:** Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical attention / advice. Get medical attention / advice if you feel unwell. **EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritant persists, get medical attention / advice.

If exposed or concerned: get medical attention or advice. Take off contaminated clothing and wash it before reuse.

Storage: Store locked up.



Disposal:	Disposal of contents / container in accordance with local / regional /state / federal and international regulations.
Hazard(S) not Otherwise classified (HNOC):	None known.
Supplemental Information: Substance(s) formed under the conditions of use:	Sanding and grinding dusts may be harmful if inhaled. This product contains Crystalline Silica which can cause lung cancer or silicosis. The risk of cancer depends on the duration and level of exposure to dust from sanding surfaces or mist from spray applications. Since this product is not meant to be sanded or sprayed, risk of exposure is considered low. Avoid contact with skin and clothing. Wash thoroughly after handling.
	Emits toxic fumes when heated.
HMIS (Ratings):	Health: 2* Chronic effects Flammability: 1 Physical hazard: 0 Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

3. COMPOSITION/ INGREDIENTS

Substance/mixture:	Mixture
Product Name:	PerimaSeal Premium Smooth-Finish Indoor/Outdoor Caulk & Sealant

Ingredient name	%	CAS number
Limestone	30 - 60	1317-65-3
Titanium Dioxide	0.1 – 1.5	13463-67-7
Acetaldehyde	0.1 - 1	75-07-0
Vinyl Acetate	0.1 - 1	108-05-4
Crystalline Silica, respirable powder (<10 microns)	0.1 – 1	14808-60-7
Ethylene Glycol	0.5 - 1.5	107-21-1

SUB codes represent substances without registered CAS Numbers.
 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 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

If ingestion, irritation, any type of overexposure or symptoms of overexposure occur during or persists after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN immediately; have Safety Data Sheet information available. Never give anything by mouth to an unconscious or convulsing person.

Description of necessary first aid measures

Eye Contact: Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.

Inhalation: Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.

Skin Contact:

Ingestion:	Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners. If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do NOT induce vomiting.
Most important symptoms/effects, acute and delayed	
Potential acute health effects	
Eye Contact:	Direct contact may cause slight to moderate irritation.
Inhalation:	May cause slight irritation to respiratory passages – headache – dizziness. May cause allergic skin reactions and / or central nervous system depression.
Skin Contact:	No known significant effects or critical hazards. Low ingestion hazard.
Ingestion:	
Over-exposure signs/symptoms	
Eye Contact:	No specific data.
Inhalation:	No specific data.
Skin Contact:	No specific data.
Ingestion:	No specific data.
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. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media:	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media:	None known.
Specific hazards arising from the chemical:	In a fire or if heated, a pressure increase will occur, and the container may burst. This material is harmful to aquatic life. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Hazardous thermal decomposition products	Decomposition products may include the following materials: carbon dioxide, carbon monoxide, metal oxide/oxides
Specific protective equipment and precautions for firefighters:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Fire Fighting equipment / Instructions:	Move containers from fire area if you can do so without risk.
General fire hazards:	Fire-fighters 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: 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 through spilled material. Put on appropriate personal protective equipment.
--	---

<p>Methods and materials for containment and cleaning up:</p>	<p>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".</p> <p>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).</p> <p>Large Spills: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth 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.</p> <p>Small Spills: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.</p>
<p>Environmental precautions:</p>	<p>Prevent further leakage or spillage if safe to do so.</p>

7. HANDLING AND STORAGE

<p>Precaution for safe handling:</p>	<p>Protective measures: Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.</p>
<p>Conditions for safe storage, including any incompatibilities</p>	<p>Special precautions: If this material is part of a multiple component system, read the Safety Data Sheet(s) for the other component or components before blending as the resulting mixture may have the hazards of all of its parts.</p> <p>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.</p> <p>Do not store below the following temperature: 5°C (41°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.</p>

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters: Occupational exposure limits	
Ingredient name Limestone	Exposure limits OSHA PEL (United States, 2/2013). TWA: 5 mg/m ³ 8 hours. Form: Respirable fraction



Titanium Dioxide	TWA: 15 mg/m ³ 8 hours. Form: Total dust OSHA PEL (United States, 2/2013). TWA: 15 mg/m ³ 8 hours. Form: Total dust ACGIH TLV (United States, 6/2013).
Acetaldehyde	TWA: 10 mg/m ³ 8 hours. ACGIH TLV (United States, 6/2013). C: 45 mg/m ³ C: 25 ppm OSHA PEL (United States, 2/2013). TWA: 360 mg/m ³ 8 hours. TWA: 200 ppm 8 hours.
Vinyl Acetate	ACGIH TLV (United States, 6/2013). STEL: 53 mg/m ³ 15 minutes. STEL: 15 ppm 15 minutes. TWA: 35 mg/m ³ 8 hours. TWA: 10 ppm 8 hours. ACGIH TLV (United States, 6/2013). TWA: 0.025 mg/m ³ 8 hours. Form: Respirable
Crystalline Silica, respirable powder (<10 microns)	OSHA PEL Z3 (United States, 2/2013). TWA: 10 MG/M3 / (%SiO ₂ +2) 8 hours. Form: Respirable TWA: 250 MPPCF / (%SiO ₂ +5) 8 hours. Form: Respirable
Ethylene Glycol	OSHA PEL (United States, 2/2013). TWA: 5 mg/m ³ 8 hours. ACGIH TLV (United States, 6/2013). C: 100 mg/m ³ Form: Aerosol

Key to abbreviations

- A = Acceptable Maximum Peak
- S = Potential skin absorption
- ACGIH = American Conference of Governmental Industrial Hygienists.
- C = Ceiling Limit
- SR = Respiratory sensitization
- SS = Skin sensitization
- F = Fume
- STEL = Short term Exposure limit values
- IPEL = Internal Permissible Exposure Limit
- TD = Total dust
- OSHA = Occupational Safety and Health Administration.
- TLV = Threshold Limit Value
- R = Respirable
- TWA = Time Weighted Average
- Z = OSHA 29CFR 1910.1200 Subpart Z - Toxic and Hazardous Substances

Consult local authorities for acceptable exposure limits.

Recommended monitoring procedures:

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

Appropriate engineering controls:

If user operations generate dust, fumes, gas, vapor or mist, 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

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. 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 workstation location. Safety glasses with side shields.
Eye/face protection Skin protection 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. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
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.
Other skin protection:	Appropriate footwear and any additional skin protection measures 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	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. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

9. PHYSICAL/CHEMICAL CHARACTERISTICS

Appearance	
Physical state:	Paste
Color:	Khaki
Odor:	Mild Acrylic
Odor threshold:	Not available.
pH:	7.5-8.5
Melting point:	Not available.
Boiling point:	>37.78°C (>100°F)
Flash point:	Closed cup: >93.89°C (>201°F)
Material supports combustion:	Yes.
Auto-ignition temperature:	Not available.
Flammability (solid, gas):	Not available.
Lower and upper explosive (flammable) limits:	Not available.
Evaporation rate:	0.33 (butyl acetate = 1)
Vapor pressure:	2.3 kPa (17.5 mm Hg) [room temperature]
Vapor density:	Not available.
Relative density:	1.68
Density (lbs/gal)	14.02

Solubility:	Soluble in water.
Partition coefficient: n-octanol/water:	Not available.
Viscosity:	15-40 g/s
% Solid. (w/w)	82.9

10. STABILITY AND REACTIVITY	
Reactivity	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	The product is stable.
Possibility of hazardous Reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	When exposed to high temperatures may produce hazardous decomposition products. Refer to protective measures listed in sections 7 and 8.
Incompatible materials	Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids.
Hazardous decomposition products:	Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

11. TOXICOLOGICAL INFORMATION	
Information on toxicological effects	
Acute toxicity	
Product/ingredient name	Result
Titanium Dioxide	LD50 Oral
Acetaldehyde	LC50 Inhalation Gas.
	LD50 Dermal
	LD50 Oral
Ethylene Glycol	LD50 Dermal
	LD50 Oral
Vinyl Acetate	LC50 Inhalation Vapor
	LC50 Inhalation Vapor
	LC50 Inhalation Vapor
	LD50 Dermal
	LD50 Oral
Species	Dose
Rat	>10 g/kg
Rat	13300 ppm
Rabbit	3540 mg/kg
Rat	661 mg/kg
Rabbit	9.53 g/kg
Rat	4700 mg/kg
Mouse	1460 ppm
Rat	11400 mg/m ³
Rat	3680 ppm
Rabbit	2335 mg/kg
Rat	2.5 g/kg
Exposure	
-	
4 hours	
-	
-	
-	
4 hours	
4 hours	
4 hours	
-	
-	
Conclusion/Summary: There are no data available on the mixture itself.	
Irritation/Corrosion	
Conclusion/Summary	
Skin:	There are no data available on the mixture itself.
Eyes:	There are no data available on the mixture itself.
Respiratory:	There are no data available on the mixture itself.
Sensitization	
Conclusion/Summary	
Skin:	There are no data available on the mixture itself.
Respiratory:	There are no data available on the mixture itself.
Mutagenicity	
Conclusion/Summary: There are no data available on the mixture itself.	
Carcinogenicity	
Conclusion/Summary: There are no data available on the mixture itself.	
Classification	

Product/ingredient name	OSHA	IARC	NTP
Titanium Dioxide	-	2B	-
Acetaldehyde	-	1	Reasonably anticipated to be a human carcinogen.
Vinyl Acetate	-	2B	-
Crystalline Silica, respirable powder (<10 microns)	-	1	Known to be a human carcinogen.

Carcinogen Classification code:
 IARC: 1, 2A, 2B, 3, 4
 NTP: Known to be a human carcinogen; Reasonably anticipated to be a human carcinogen
 OSHA: +
 Not listed/not regulated: -

Reproductive toxicity
 Conclusion/Summary: There are no data available on the mixture itself.

Teratogenicity
 Conclusion/Summary: There are no data available on the mixture itself.

Specific target organ toxicity (single exposure)

Name	Category
Acetaldehyde	Category 3
Vinyl Acetate	Category 3

Specific target organ toxicity (repeated exposure)

Name	Category
Vinyl Acetate	Category 1
Crystalline Silica, respirable powder (<10 microns)	Category 2
Ethylene Glycol	Category 2

Target organs: Contains material which may cause damage to the following organs: lungs, upper respiratory tract, skin, eyes.

Aspiration hazard
 Not available.

Information on the likely routes of exposure

Potential acute health effects

Eye contact	No known significant effects or critical hazards.
Inhalation	No known significant effects or critical hazards.
Skin contact	No known significant effects or critical hazards.
Ingestion	No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact	No specific data.
Inhalation	No specific data.
Skin contact	No specific data.
Ingestion	No specific data.

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

Conclusion/Summary: There are no data available on the mixture itself. This product contains crystalline silica which can cause lung cancer or silicosis. The risk of cancer depends on the duration and level of exposure to dust from sanding surfaces or mist from spray applications. If splashed in the eyes, the liquid may cause irritation and reversible damage. Ingestion may cause nausea, diarrhea and vomiting. This considers, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Short term exposure
 Potential immediate effects: There are no data available on the mixture itself.
 Potential delayed effects:

Long term exposure	There are no data available on the mixture itself.
Potential immediate effects:	
Potential delayed effects:	There are no data available on the mixture itself.
Potential chronic health effects	There are no data available on the mixture itself.
General:	No known significant effects or critical hazards.
Carcinogenicity:	May cause cancer. Risk of cancer depends on duration and level of exposure.
Mutagenicity:	No known significant effects or critical hazards.
Teratogenicity:	No known significant effects or critical hazards.
Developmental effects:	No known significant effects or critical hazards.
Fertility effects:	No known significant effects or critical hazards.
Numerical measures of toxicity	
Acute toxicity estimates	
Route	ATE value
Oral	13704.4 mg/kg

12. ECOLOGICAL CONSIDERATIONS

Toxicity

Product/ingredient name	Result	Species	Exposure
Titanium Dioxide	Acute EC50 100 mg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
Vinyl Acetate	Acute LC50 31080 to 36630 µg/l Fresh water	Fish - Poecilia reticulata	96 hours

Persistence and degradability: Not available.

Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
Acetaldehyde	-0.34	-	low
Vinyl Acetate	0.73	-	low
Ethylene Glycol	-1.36	-	low

Mobility in soil

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

13. DISPOSAL CONSIDERATIONS

Disposal methods: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should always comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations. Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees. Section 6. Accidental release measures



14. TRANSPORT INFORMATION

	DOT	IMDG	IATA
UN number	UN3082	Not regulated.	Not regulated.
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (carbendazim (ISO))	-	-
Transport hazard class (es)	9	-	-
Packing group	III	-	-
Environmental hazards	No.	No.	No.
Marine pollutant substances	Not applicable.	Not applicable.	Not applicable.
Product RQ (lbs)	25000	Not applicable.	Not applicable.
RQ substances	(carbendazim (ISO))	Not applicable.	Not applicable.

Additional information
 DOT: Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.
 IMDG: None identified.
 IATA: None identified.
 Special precautions for user: Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

15. REGULATORY INFORMATION

United States inventory (TSCA 8b): All components are listed or exempted.
 Australia inventory (AICS): Not determined.
 Canada inventory (DSL): At least one component is not listed.
 China inventory (IECSC): Not determined.
 Europe inventory (REACH): Please contact your supplier for information on the inventory status of this material.
 Japan inventory (ENCS): Not determined.
 Korea inventory (KECI): Not determined.
 New Zealand (NZIoC): Not determined.
 Philippines inventory (PICCS): Not determined.

United States
 U.S. Federal regulations: SARA 302/304
 SARA 304 RQ : 711338.7 lbs / 322947.8 kg [50855.5 gal / 192509.2 L]
 Composition/information on ingredients

Name	EHS	SARA 302 TPQ		SARA 304 RQ	
		(lbs)	(gallons)	(lbs)	(gallons)
Vinyl Acetate	Yes.	1000	129	5000	644.8

SARA 311/312
 Classification : Delayed (chronic) health hazard
 Composition/information on ingredients



Name	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Titanium Dioxide	No.	No.	No.	No.	Yes.
Acetaldehyde	Yes.	No.	No.	Yes.	Yes.
Vinyl Acetate	Yes.	No.	Yes.	Yes.	Yes.
Ethylene Glycol	No.	No.	No.	Yes.	Yes.
Crystalline Silica, respirable powder	No.	No.	No.	No.	Yes.

Pennsylvania (worker and community right to know act): The following components are cited in the Pennsylvania Hazardous Substances List and are present at levels that require reporting.

Ethylene Glycol 107-21-1 <2%
 SARA 313

Supplier notification:	Chemical name	CAS Number	Concentration
	Acetaldehyde	75-07-0	0.1-1
	Vinyl Acetate	108-05-4	0.1-1

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

California Prop. 65

WARNING: This product contains trace amounts of components known to the state of California to cause cancer, birth defects, or other reproductive harm.

16. OTHER INFORMATION

Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
UN = United Nations

Prepared by: Continental Products Company

These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

www.continentalprod.com

PRODUCT NAME: PerimaSeal™ Premium Smooth-Finish Indoor/Outdoor Caulk & Sealant COLOR: Redwood	REVISION DATE: October 26, 2015
--	--

1. PRODUCT AND COMPANY IDENTIFICATION

Commercial Product Name: PerimaSeal™ Premium Smooth-Finish Indoor/Outdoor Caulk & Sealant

Product Classification: Caulk, Sealant

Supplier:

Continental Products LLC.

1150 East 222nd street

Euclid, Ohio, 44117

PHONE: 216-531-0710

FAX: 216-289-1745

General Description: Siliconized acrylic caulk

Physical Form: Paste

Color: Redwood

Odor: Slight mild odor

NFPA PROFILE: Health – 2 Flammability – 1 Instability/Reactivity - 0

Note: NFPA = National Fire Protection Association

2. HAZARDS IDENTIFICATION

OSHA/HCS Status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture: CARCINOGENICITY - Category 1A

Physical Hazards: Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 72.5%

GHS Label Elements: Not classified

Signal Word:

Danger

GHS Pictograms:

Harmful, Health Hazard



Hazard Statement: May cause eye/lung/ skin irritation. May cause Cancer. May cause genetic defects. May cause damage to organs through prolonged exposure.

Precautionary Statement: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves / protective clothing / eye protection / face protection. Wash well after handling. Contaminated work clothing should not be allowed out of work place.

Response: **SKIN:** Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical attention / advice. Get medical attention / advice if you feel unwell. **EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritant persists, get medical attention / advice.

If exposed or concerned: get medical attention or advice. Take off contaminated clothing and wash it before reuse.

Storage: Store locked up.



Disposal:	Disposal of contents / container in accordance with local / regional /state / federal and international regulations.
Hazard(S) not Otherwise classified (HNOC):	None known.
Supplemental Information: Substance(s) formed under the conditions of use:	Sanding and grinding dusts may be harmful if inhaled. This product contains Crystalline Silica which can cause lung cancer or silicosis. The risk of cancer depends on the duration and level of exposure to dust from sanding surfaces or mist from spray applications. Since this product is not meant to be sanded or sprayed, risk of exposure is considered low. Avoid contact with skin and clothing. Wash thoroughly after handling.
	Emits toxic fumes when heated.
HMIS (Ratings):	Health: 2* Chronic effects Flammability: 1 Physical hazard: 0 Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks Although HMIS® ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

3. COMPOSITION/ INGREDIENTS

Substance/mixture:	Mixture
Product Name:	PerimaSeal Premium Smooth-Finish Indoor/Outdoor Caulk & Sealant

Ingredient name	%	CAS number
Limestone	30 - 60	1317-65-3
Titanium Dioxide	0.1 – 1.5	13463-67-7
Acetaldehyde	0.1 - 1	75-07-0
Vinyl Acetate	0.1 - 1	108-05-4
Crystalline Silica, respirable powder (<10 microns)	0.1 – 1	14808-60-7
Ethylene Glycol	0.5 - 1.5	107-21-1

SUB codes represent substances without registered CAS Numbers.
 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 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

If ingestion, irritation, any type of overexposure or symptoms of overexposure occur during or persists after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN immediately; have Safety Data Sheet information available. Never give anything by mouth to an unconscious or convulsing person.

Description of necessary first aid measures

Eye Contact:	Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.
Inhalation:	Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
Skin Contact:	

Ingestion:	Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners. If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do NOT induce vomiting.
Most important symptoms/effects, acute and delayed	
Potential acute health effects	
Eye Contact:	Direct contact may cause slight to moderate irritation.
Inhalation:	May cause slight irritation to respiratory passages – headache – dizziness. May cause allergic skin reactions and / or central nervous system depression.
Skin Contact:	No known significant effects or critical hazards. Low ingestion hazard.
Ingestion:	
Over-exposure signs/symptoms	
Eye Contact:	No specific data.
Inhalation:	No specific data.
Skin Contact:	No specific data.
Ingestion:	No specific data.
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. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

5. FIRE FIGHTING MEASURES	
Suitable extinguishing media:	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media:	None known.
Specific hazards arising from the chemical:	In a fire or if heated, a pressure increase will occur, and the container may burst. This material is harmful to aquatic life. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
Hazardous thermal decomposition products	Decomposition products may include the following materials: carbon dioxide, carbon monoxide, metal oxide/oxides
Specific protective equipment and precautions for firefighters:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Fire Fighting equipment / Instructions:	Move containers from fire area if you can do so without risk.
General fire hazards:	Fire-fighters 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: 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 through spilled material. Put on appropriate personal protective equipment.

<p>Methods and materials for containment and cleaning up:</p>	<p>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".</p> <p>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).</p> <p>Large Spills: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth 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.</p> <p>Small Spills: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.</p>
<p>Environmental precautions:</p>	<p>Prevent further leakage or spillage if safe to do so.</p>

7. HANDLING AND STORAGE

<p>Precaution for safe handling:</p>	<p>Protective measures: Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.</p>
<p>Conditions for safe storage, including any incompatibilities</p>	<p>Special precautions: If this material is part of a multiple component system, read the Safety Data Sheet(s) for the other component or components before blending as the resulting mixture may have the hazards of all of its parts.</p> <p>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.</p> <p>Do not store below the following temperature: 5°C (41°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.</p>

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters: Occupational exposure limits	
Ingredient name Limestone	Exposure limits OSHA PEL (United States, 2/2013). TWA: 5 mg/m ³ 8 hours. Form: Respirable fraction



Titanium Dioxide	TWA: 15 mg/m ³ 8 hours. Form: Total dust OSHA PEL (United States, 2/2013). TWA: 15 mg/m ³ 8 hours. Form: Total dust ACGIH TLV (United States, 6/2013).
Acetaldehyde	TWA: 10 mg/m ³ 8 hours. ACGIH TLV (United States, 6/2013). C: 45 mg/m ³ C: 25 ppm OSHA PEL (United States, 2/2013). TWA: 360 mg/m ³ 8 hours. TWA: 200 ppm 8 hours.
Vinyl Acetate	ACGIH TLV (United States, 6/2013). STEL: 53 mg/m ³ 15 minutes. STEL: 15 ppm 15 minutes. TWA: 35 mg/m ³ 8 hours. TWA: 10 ppm 8 hours. ACGIH TLV (United States, 6/2013). TWA: 0.025 mg/m ³ 8 hours. Form: Respirable
Crystalline Silica, respirable powder (<10 microns)	OSHA PEL Z3 (United States, 2/2013). TWA: 10 MG/M3 / (%SiO ₂ +2) 8 hours. Form: Respirable TWA: 250 MPPCF / (%SiO ₂ +5) 8 hours. Form: Respirable
Ethylene Glycol	OSHA PEL (United States, 2/2013). TWA: 5 mg/m ³ 8 hours. ACGIH TLV (United States, 6/2013). C: 100 mg/m ³ Form: Aerosol

Key to abbreviations

- A = Acceptable Maximum Peak
- S = Potential skin absorption
- ACGIH = American Conference of Governmental Industrial Hygienists.
- C = Ceiling Limit
- SR = Respiratory sensitization
- SS = Skin sensitization
- F = Fume
- STEL = Short term Exposure limit values
- IPEL = Internal Permissible Exposure Limit
- TD = Total dust
- OSHA = Occupational Safety and Health Administration.
- TLV = Threshold Limit Value
- R = Respirable
- TWA = Time Weighted Average
- Z = OSHA 29CFR 1910.1200 Subpart Z - Toxic and Hazardous Substances

Consult local authorities for acceptable exposure limits.

Recommended monitoring procedures:

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

Appropriate engineering controls:

If user operations generate dust, fumes, gas, vapor or mist, 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

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. 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 workstation location. Safety glasses with side shields.
Eye/face protection Skin protection 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. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
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.
Other skin protection:	Appropriate footwear and any additional skin protection measures 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	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. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

9. PHYSICAL/CHEMICAL CHARACTERISTICS

Appearance	
Physical state:	Paste
Color:	Redwood
Odor:	Mild Acrylic
Odor threshold:	Not available.
pH:	7.5-8.5
Melting point:	Not available.
Boiling point:	>37.78°C (>100°F)
Flash point:	Closed cup: >93.89°C (>201°F)
Material supports combustion:	Yes.
Auto-ignition temperature:	Not available.
Flammability (solid, gas):	Not available.
Lower and upper explosive (flammable) limits:	Not available.
Evaporation rate:	0.33 (butyl acetate = 1)
Vapor pressure:	2.3 kPa (17.5 mm Hg) [room temperature]
Vapor density:	Not available.
Relative density:	1.68
Density (lbs/gal)	14.02

Solubility:	Soluble in water.
Partition coefficient: n-octanol/water:	Not available.
Viscosity:	15-40 g/s
% Solid. (w/w)	82.9

10. STABILITY AND REACTIVITY	
Reactivity	No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	The product is stable.
Possibility of hazardous Reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	When exposed to high temperatures may produce hazardous decomposition products. Refer to protective measures listed in sections 7 and 8.
Incompatible materials	Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids.
Hazardous decomposition products:	Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

11. TOXICOLOGICAL INFORMATION				
Information on toxicological effects				
Acute toxicity				
Product/ingredient name	Result	Species	Dose	Exposure
Titanium Dioxide	LD50 Oral	Rat	>10 g/kg	-
Acetaldehyde	LC50 Inhalation Gas.	Rat	13300 ppm	4 hours
	LD50 Dermal	Rabbit	3540 mg/kg	-
Ethylene Glycol	LD50 Oral	Rat	661 mg/kg	-
	LD50 Dermal	Rabbit	9.53 g/kg	-
	LD50 Oral	Rat	4700 mg/kg	-
Vinyl Acetate	LC50 Inhalation Vapor	Mouse	1460 ppm	4 hours
	LC50 Inhalation Vapor	Rat	11400 mg/m ³	4 hours
	LC50 Inhalation Vapor	Rat	3680 ppm	4 hours
	LD50 Dermal	Rabbit	2335 mg/kg	-
	LD50 Oral	Rat	2.5 g/kg	-
Conclusion/Summary:	There are no data available on the mixture itself.			
Irritation/Corrosion				
Conclusion/Summary	There are no data available on the mixture itself.			
Skin:	There are no data available on the mixture itself.			
Eyes:	There are no data available on the mixture itself.			
Respiratory:	There are no data available on the mixture itself.			
Sensitization				
Conclusion/Summary	There are no data available on the mixture itself.			
Skin:	There are no data available on the mixture itself.			
Respiratory:	There are no data available on the mixture itself.			
Mutagenicity				
Conclusion/Summary:	There are no data available on the mixture itself.			
Carcinogenicity				
Conclusion/Summary:	There are no data available on the mixture itself.			
Classification				

Product/ingredient name	OSHA	IARC	NTP
Titanium Dioxide	-	2B	-
Acetaldehyde	-	1	Reasonably anticipated to be a human carcinogen.
Vinyl Acetate	-	2B	-
Crystalline Silica, respirable powder (<10 microns)	-	1	Known to be a human carcinogen.

Carcinogen Classification code:
 IARC: 1, 2A, 2B, 3, 4
 NTP: Known to be a human carcinogen; Reasonably anticipated to be a human carcinogen
 OSHA: +
 Not listed/not regulated: -

Reproductive toxicity
 Conclusion/Summary: There are no data available on the mixture itself.

Teratogenicity
 Conclusion/Summary: There are no data available on the mixture itself.

Specific target organ toxicity (single exposure)

Name	Category
Acetaldehyde	Category 3
Vinyl Acetate	Category 3

Specific target organ toxicity (repeated exposure)

Name	Category
Vinyl Acetate	Category 1
Crystalline Silica, respirable powder (<10 microns)	Category 2
Ethylene Glycol	Category 2

Target organs: Contains material which may cause damage to the following organs: lungs, upper respiratory tract, skin, eyes.

Aspiration hazard
 Not available.

Information on the likely routes of exposure
 Potential acute health effects

Eye contact	No known significant effects or critical hazards.
Inhalation	No known significant effects or critical hazards.
Skin contact	No known significant effects or critical hazards.
Ingestion	No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact	No specific data.
Inhalation	No specific data.
Skin contact	No specific data.
Ingestion	No specific data.

Delayed and immediate effects and chronic effects from short and long-term exposure
 Conclusion/Summary: There are no data available on the mixture itself. This product contains crystalline silica which can cause lung cancer or silicosis. The risk of cancer depends on the duration and level of exposure to dust from sanding surfaces or mist from spray applications. If splashed in the eyes, the liquid may cause irritation and reversible damage. Ingestion may cause nausea, diarrhea and vomiting. This considers, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Short term exposure
 Potential immediate effects: There are no data available on the mixture itself.
 Potential delayed effects:

Long term exposure	There are no data available on the mixture itself.
Potential immediate effects:	
Potential delayed effects:	There are no data available on the mixture itself.
Potential chronic health effects	There are no data available on the mixture itself.
General:	No known significant effects or critical hazards.
Carcinogenicity:	May cause cancer. Risk of cancer depends on duration and level of exposure.
Mutagenicity:	No known significant effects or critical hazards.
Teratogenicity:	No known significant effects or critical hazards.
Developmental effects:	No known significant effects or critical hazards.
Fertility effects:	No known significant effects or critical hazards.
Numerical measures of toxicity	
Acute toxicity estimates	
Route	ATE value
Oral	13704.4 mg/kg

12. ECOLOGICAL CONSIDERATIONS			
Toxicity			
Product/ingredient name	Result	Species	Exposure
Titanium Dioxide	Acute EC50 100 mg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
Vinyl Acetate	Acute LC50 31080 to 36630 µg/l Fresh water	Fish - Poecilia reticulata	96 hours
Persistence and degradability: Not available.			
Bioaccumulative potential			
Product/ingredient name	LogPow	BCF	Potential
Acetaldehyde	-0.34	-	low
Vinyl Acetate	0.73	-	low
Ethylene Glycol	-1.36	-	low
Mobility in soil			
Soil/water partition coefficient (K _{oc}): Not available.			

13. DISPOSAL CONSIDERATIONS
<p>Disposal methods: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should always comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.</p> <p>Disposal should be in accordance with applicable regional, national and local laws and regulations. Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees. Section 6. Accidental release measures</p>



14. TRANSPORT INFORMATION

	DOT	IMDG	IATA
UN number	UN3082	Not regulated.	Not regulated.
UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (carbendazim (ISO))	-	-
Transport hazard class (es)	9	-	-
Packing group	III	-	-
Environmental hazards	No.	No.	No.
Marine pollutant substances	Not applicable.	Not applicable.	Not applicable.
Product RQ (lbs)	25000	Not applicable.	Not applicable.
RQ substances	(carbendazim (ISO))	Not applicable.	Not applicable.

Additional information

DOT: Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.

IMDG: None identified.

IATA: None identified.

Special precautions for user: Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

15. REGULATORY INFORMATION

United States inventory (TSCA 8b): All components are listed or exempted.
 Australia inventory (AICS): Not determined.
 Canada inventory (DSL): At least one component is not listed.
 China inventory (IECSC): Not determined.
 Europe inventory (REACH): Please contact your supplier for information on the inventory status of this material.
 Japan inventory (ENCS): Not determined.
 Korea inventory (KECI): Not determined.
 New Zealand (NZIoC): Not determined.
 Philippines inventory (PICCS): Not determined.

United States

U.S. Federal regulations: SARA 302/304

SARA 304 RQ : 711338.7 lbs / 322947.8 kg [50855.5 gal / 192509.2 L]

Composition/information on ingredients

Name	EHS	SARA 302 TPQ		SARA 304 RQ	
		(lbs)	(gallons)	(lbs)	(gallons)
Vinyl Acetate	Yes.	1000	129	5000	644.8

SARA 311/312

Classification : Delayed (chronic) health hazard

Composition/information on ingredients



Name	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Titanium Dioxide	No.	No.	No.	No.	Yes.
Acetaldehyde	Yes.	No.	No.	Yes.	Yes.
Vinyl Acetate	Yes.	No.	Yes.	Yes.	Yes.
Ethylene Glycol	No.	No.	No.	Yes.	Yes.
Crystalline Silica, respirable powder	No.	No.	No.	No.	Yes.

Pennsylvania (worker and community right to know act): The following components are cited in the Pennsylvania Hazardous Substances List and are present at levels that require reporting.

Ethylene Glycol 107-21-1 <2%
SARA 313

Supplier notification:	Chemical name	CAS Number	Concentration
	Acetaldehyde	75-07-0	0.1-1
	Vinyl Acetate	108-05-4	0.1-1

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

California Prop. 65

WARNING: This product contains trace amounts of components known to the state of California to cause cancer, birth defects, or other reproductive harm.

16. OTHER INFORMATION

Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
UN = United Nations

Prepared by: Continental Products Company

These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

www.continentalprod.com