

KeeneSeal 100

# Safety Data Sheet

## 1. COMPANY IDENTIFICATION

Company:	Keene Building Products
Address:	P.O. Box 241353 Mayfield Heights, OH 44124
Toll Free Number:	877.514.5336
Main Number:	440.605.1020
Fax Number:	440.605.1120
Emergency (24 hours)	
CHEMTEC:	800-424-9300
Effective Date:	January 29, 2019
Product:	<b>KeeneSeal 100</b>

## 2. HAZARDOUS IDENTIFICATION

HMIS:  
HEALTH 1  
FLAMMABILITY 1  
REACTIVITY 0



Skin Sens.	1	H317	May cause an allergic skin reaction.
Eye Irrit.	2B	H320	Causes eye irritation.
Aquatic Acute	2	H401	Toxic to aquatic life.
Aquatic Chronic	3	H412	Harmful to aquatic life with long lasting effects.

### HAZARD STATEMENT

#### DANGER

H350	May cause cancer.
H360	May damage fertility or the unborn child.
H401	Toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash thoroughly after handling.
P272	Contaminated work clothing must not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection. If on skin: Wash with plenty of water.
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P321	Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P363	Wash contaminated clothing before reuse.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

### 3. COMPOSITION & INFORMATION ON INGREDIENTS

Substances	CAS Number	Percent
Calcium Carbonate	471-34-1	20-50%
Natural limestone	1317-65-3	20-50%
Diisodecyl Phthalate Aquatic Acute 1, H400; Eye Irrit. 2B, H320	68515-49-1	15-35%
Stearic Acid, pure Skin Irrit. 2, H315; STOT SE 3, H335; Eye Irrit. 2B, H320	57-11-4	5-10%
Titanium Dioxide Carc. 2, H351	13463-67-7	2-12%
Trimethoxyvinylsilane Flam. Liq. 2, H225; Acute Tox. 4, H332	2768-02-7	≤2.5%
Methanol Flam. Liq. 2, H225; Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; STOT SE 1, H370	67-56-1	≤2.5%
N-(3-(trimethoxysilyl)propyl)ethylenediamine Skin Corr. 1A, H314; Eye Dam. 1, H318; Skin Sens. 1, H317	1760-24-3	≤2.5%
2-(2H-benzotriazol-2-yl)-4,6-di-tert-pentylphenol	25973-55-1	≤2.5%
Quartz (SiO <sub>2</sub> ) Carc. 1A, H350; STOT RE 1, H372; Acute Tox. 4, H332; STOT SE 3, H335; Eye Irrit. 2B, H320	14808-60-7	≤2.5%

Additional information:

The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets.

### 4. FIRST AID MEASURES

General Information: Symptoms of poisoning may occur after exposure to dust, fumes or particulates; seek medical attention if feeling unwell.

Inhalation:	Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.
Eyes:	If easy to do so, remove contact lenses if worn. Hold eyelids apart and flush eyes with plenty of water for at least 20 minutes. Seek medical treatment.
Ingestion:	Do not induce vomiting. If conscious, give no more than two glasses of water. Seek medical treatment.
Skin:	Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove contaminated clothing and wash before reuse. Get medical attention if symptoms occur.

Most important symptoms and effects, both acute and delayed: May cause an allergic skin reaction. Prolonged exposure may cause chronic effects.

Indication of any immediate medical attention and special treatment needed: Treat symptomatically.

### 5. FIRE FIGHTING MEASURES

Extinguishing Media: CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents: Water with full jet.

Special hazards arising from the substance or mixture: Hazardous decomposition products include: carbon dioxide, carbon monoxide and incompletely burnt hydrocarbons.

Special protective equipment for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

Additional information: Cool fire exposed containers with water.

## 6. ACCIDENTAL RELEASE MEASURES

Personal Precautionary Measures: Ensure adequate ventilation.  
 Wear protective equipment. Keep unprotected persons away.  
 Avoid contact with skin, eyes and clothing.  
 Do not breathe vapor.  
 Product is slippery when spilled.

Environmental Precautions: Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/surface or ground water.

Procedures for Containment/Cleanup: Ensure adequate ventilation.  
 Do not flush with water or aqueous cleansing agents  
 Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to section 13.

Reference to other sections: See Section 7 for information on safe handling.  
 See Section 8 for information on personal protection equipment.  
 See Section 13 for disposal information.

PAC-1:	471-34-1	Calcium Carbonate	45 mg/m <sup>3</sup>
	57-11-4	Stearic Acid, pure	14 mg/m <sup>3</sup>
	13463-67-7	Titanium Dioxide	30 mg/m <sup>3</sup>
	2768-02-7	Trimethoxyvinylsilane	9.5 ppm
	67-56-1	Methanol	530 ppm
	1760-24-3	N-(3-(trimethoxysilyl)propyl)ethylenediamine	23 mg/m <sup>3</sup>
	14808-60-7	Quartz (SiO <sub>2</sub> )	0.075 mg/m <sup>3</sup>
PAC-2:	471-34-1	Calcium Carbonate	210 mg/m <sup>3</sup>
	57-11-4	Stearic Acid, pure	150 mg/m <sup>3</sup>
	13463-67-7	Titanium Dioxide	330 mg/m <sup>3</sup>
	2768-02-7	Trimethoxyvinylsilane	100 ppm
	67-56-1	Methanol	2,100 ppm
	1760-24-3	N-(3-(trimethoxysilyl)propyl)ethylenediamine	250 mg/m <sup>3</sup>
	14808-60-7	Quartz (SiO <sub>2</sub> )	33 mg/m <sup>3</sup>
PAC-3:	471-34-1	Calcium Carbonate	1,300 mg/m <sup>3</sup>
	57-11-4	Stearic Acid, pure	910 mg/m <sup>3</sup>
	13463-67-7	Titanium Dioxide	2,000 mg/m <sup>3</sup>
	2768-02-7	Trimethoxyvinylsilane	120 ppm
	67-56-1	Methanol	7200* ppm
	1760-24-3	N-(3-(trimethoxysilyl)propyl)ethylenediamine	1,500 mg/m <sup>3</sup>
	14808-60-7	Quartz (SiO <sub>2</sub> )	200 mg/m <sup>3</sup>

## 7. HANDLING & STORAGE

Handling: Ensure good ventilation/exhaustion at the workplace.  
 Avoid contact with skin, eyes and clothing  
 Avoid breathing fume/gas/mist/vapors/spray.

Storage: Store in a cool, dry place.  
 Store in a well ventilated place.  
 Store in the original container.  
 Protect from moisture.

Information about storage in one common storage facility: See Section 10 (Incompatible materials)

Further information about storage conditions: Keep receptacle tightly sealed.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits/Engineering Controls: The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

General protective and hygienic measures:

Do not smoke around this product.

Do not eat or drink while handling product.

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing and wash before reuse.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

NIOSH/OSHA or EN approved respiratory protection is recommended for use in airborne concentrations exceeding exposure limits.

Protective gloves: Material of gloves: Any liquid-tight rubber or vinyl rubber protective gloves.

Penetration time of glove material: The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.

Tightly sealed goggles: Limitation and supervision of exposure into the environment: Keep away from drains, surface and ground waters. Avoid release into the environment.

## 9. PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Paste
Color:	White
Vapor Pressure:	<1.0 hPa (<0.8 mm Hg) @ 20°C (68°F)
Odor:	Slight
Density:	1.66 g/cm <sup>3</sup> (13.8527 lbs/gal) @ 20°C (68°F)
Vapor Density:	<1 (Air=1)
pH:	Not Applicable
Relative Density:	No Data Available
Melting Point:	No Data Available
Boiling Range:	≥250 °C (≥482°F)
Flash Point:	200 °C (>392°F) (ISO 2592)
Ignition Temperature:	≥395 °C (≥743°F)
Auto Igniting:	Product is not self-igniting.
Evaporation Rate:	<1 (n-Butyl Acetate =1)
Solubility in water:	Not miscible or difficult to mix.
VOC content:	18 g/l

## 10. STABILITY & REACTIVITY

Reactivity:	Stable under normal conditions.
Chemical Stability:	Stable under normal conditions.
Conditions to Avoid:	Thermal decomposition will result in carbon monoxide, carbon dioxide and or low molecular weight hydrocarbons.
Conditions to avoid:	Avoid heat, flames and sparks. Avoid contact with incompatible materials.
Incompatible Materials:	Strong acids. Strong oxidizing agents.
Hazardous Decomposition Products:	Upon decomposition, this product emits carbon monoxide, carbon dioxide and or low molecular weight hydrocarbons.

## 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity:

LD/LC50 values that are relevant for classification:

471-34-1 Calcium Carbonate	Oral	LD50	6,450 mg/kg (Rat)
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1317-65-3 Natural limestone	Oral	LD50	6,450 mg/kg (Rat)
57-11-4 Stearic Acid, pure	Dermal	LD50	> 5,000 mg/kg (Rabbit)
13463-67-7 Titanium Dioxide	Oral	LD50	>10,000 mg/kg (Rat)
	Dermal	LD50	>10,000 mg/kg (Rabbit)
	Inhalative	LC50/4 h	> 6.82 mg/l (Rat)
67-56-1 Methanol	Oral	LD50	1,187 mg/kg (Rat)
	Dermal	LD50	17,100 mg/kg (Rabbit)
	Inhalative	LC50/4 h	128.2 mg/l (Rat)
		LC50/96 hours	15,400 mg/l (Trout)
14808-60-7 Quartz (SiO <sub>2</sub> )	Oral	LD50	22,500 mg/kg (Rat)
	Inhalative	LC50/96 hours	1,033 mg/l (Trout)

Primary irritant effect:

On the skin: Irritant to skin and mucous membranes. May cause an allergic skin reaction.

On the eye: Irritating effect.

Additional toxicological information: The product shows the following dangers according to internally approved calculation methods for preparations: Irritant

Carcinogenic categories:

IARC (International Agency for Research on Cancer):

"In 1997, IARC (the International Agency for Research on Cancer) concluded that crystalline silica inhaled from occupational sources can cause lung cancer in humans. However in making the overall evaluation, IARC noted that "carcinogenicity was not detected in all industrial circumstances studied. Carcinogenicity may be dependent on inherent characteristics of the crystalline silica or on external factors affecting its biological activity or distribution of its polymorphs." (IARC Monographs on the evaluation of the carcinogenic risks of chemicals to humans, Silica, silicate dust and organic fibres, 1997, Vol. 68, IARC, Lyon, France.) In June 2003, SCOEL (the EU Scientific Committee on Occupational Exposure Limits) concluded that the main effect in humans of the inhalation of respirable crystalline silica dust is silicosis. "There is sufficient information to conclude that the relative risk of lung cancer is increased in persons with silicosis (and, apparently, not in employees without silicosis exposed to silica dust in quarries and in the ceramic industry). Therefore, preventing the onset of silicosis will also reduce the cancer risk." (SCOEL SUM Doc 94-final, June 2003) According to the current state of the art, worker protection against silicosis can be consistently assured by respecting the existing regulatory occupational exposure limits. May cause cancer. Occupational exposure to respirable dust and respirable crystalline silica should be monitored and controlled"

(a) Although IARC has classified titanium dioxide as possible carcinogenic to human (2B), their summary concludes: "No significant exposure to titanium dioxide is thought to occur during the use of products which titanium dioxide is bound to other materials, such as in cosmetics or in paints."

(b) OSHA does not regulate Titanium Dioxide as a carcinogen. However, under 29 CFR 1910.1200 the SDS must convey the fact that Titanium Dioxide is a potential carcinogen to rats.

Group 1 - Carcinogenic to humans

Group 2A - Probably carcinogenic to humans

Group 2B - Possibly carcinogenic to humans

Group 3 - Not classifiable as to its carcinogenicity to humans

Group 4 - Probably not carcinogenic to humans

13463-67-7	Titanium Dioxide	2B
14808-60-7	Quartz (SiO <sub>2</sub> )	1

NTP (National Toxicology Program):

14808-60-7	Quartz (SiO <sub>2</sub> )	K
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OSHA-Ca (Occupational Safety & Health Administration): None

## 12. ECOLOGICAL INFORMATION

Toxicity:

Aquatic toxicity: Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.

68515-49-1 Diisodecyl Phthalate	EC50	0.02 mg/l (Water flea)
13463-67-7 Titanium Dioxide	EC50	>1,000 mg/l (Water flea)
67-56-1 Methanol	EC50	22,000 mg/l (Green algae)
		10,000 mg/l (Daphnia)
14808-60-7 Quartz (SiO <sub>2</sub> )	EC50	218 mg/l (Green algae)

Persistence and degradability: No further relevant information available.

Behavior in environmental systems:

Bioaccumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available.

Ecotoxicological effects:

Remark: Toxic for fish

Additional ecological information:

General notes: Do not allow undiluted product or product that has not been neutralized to reach ground water, water course or sewage system. Poisonous for fish and plankton in water bodies. Toxic for aquatic organisms

Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects: No further relevant information available.

### 13. DISPOSAL INFORMATION

RCRA Hazardous

Waste: Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Observe all federal, state and local environmental regulations when disposing of this material. Disposal must be made according to official regulations.

### 14. TRANSPORTATION INFORMATION

This product is not a reportable quantity product regulated by the U.S. Department of Transportation (DOT).

DOT Reportable Quantity (lbs): N/A

NFPA Rating: Health: 1; Flammability: 1; Instability/Reactivity: 0

### 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

SARA (Superfund Amendments and Reauthorization):

Section 355 (extremely hazardous substances): None of the ingredients are listed.

Section 313 (Specific toxic chemical listings): 67-56-1 Methanol

TSCA (Toxic Substances Control Act):

Calcium Carbonate	471-34-1
Natural limestone	1317-65-3
Diisodecyl Phthalate	68515-49-1
Stearic Acid, pure	57-11-4
Titanium Dioxide	13463-67-7
Trimethoxyvinylsilane	2768-02-7
Methanol	67-56-1
N-(3-(trimethoxysilyl)propyl)ethylenediamine	1760-24-3
2-(2H-benzotriazol-2-yl)-4,6-di-tert-pentylphenol	25973-55-1
Quartz (SiO <sub>2</sub> )	14808-60-7

California Proposition 65:

Warning: This product contains a chemical known in the state of California to cause birth defects.

Chemicals known to cause cancer:

Titanium Dioxide	13463-67-7
Quartz (SiO <sub>2</sub> )	14808-60-7

Chemicals known to cause developmental toxicity:

Diisodecyl Phthalate	68515-49-1
Methanol	67-56-1

New Jersey Right-to-Know List:

Natural limestone	1317-65-3
Titanium Dioxide	13463-67-7
Methanol	67-56-1
Quartz (SiO2)	14808-60-7

New Jersey Special Hazardous Substance List:

Methanol	67-56-1	TE,F3
Quartz (SiO2)	14808-60-7	CA

Pennsylvania Right-to-Know List:

Natural limestone	1317-65-3
Titanium Dioxide	13463-67-7
Quartz (SiO2)	14808-60-7

TLV (Threshold Limit Value established by ACGIH):

Titanium Dioxide	13463-67-7	A4
Quartz (SiO2)	14808-60-7	A2

NIOSH-Ca (National Institute for Occupational Safety and Health):

Titanium Dioxide	13463-67-7
Quartz (SiO2)	14808-60-7

## 16. OTHER

Prepared Date: 01/29/19  
Phone: 440-605-1020

THE ABOVE INFORMATION & RECOMMENDATIONS ARE BELIEVED ACCURATE & RELIABLE BECAUSE IT IS NOT POSSIBLE TO ANTICIPATE ALL CONDITIONS OF USE; ADDITIONAL SAFETY PRECAUTIONS MAY BE REQUIRED. KEENE BUILDING PRODUCTS, MAKES NO WARRANTY, EITHER EXPRESSED OR IMPLIED, INCLUDING MERCHANTABILITY & FITNESS.

USER RESPONSIBILITY: EACH USER SHOULD READ & UNDERSTAND THIS INFORMATION & INCORPORATE IT INTO INDIVIDUAL SITE SAFETY PROGRAMS IN ACCORDANCE WITH APPLICABLE HAZARD COMMUNICATION STANDARDS & REGULATIONS.



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