

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: | KeeneSeal 100 |

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 ₂) 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.

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| 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: CO₂, 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 ³ |
| | 57-11-4 | Stearic Acid, pure | 14 mg/m ³ |
| | 13463-67-7 | Titanium Dioxide | 30 mg/m ³ |
| | 2768-02-7 | Trimethoxyvinylsilane | 9.5 ppm |
| | 67-56-1 | Methanol | 530 ppm |
| | 1760-24-3 | N-(3-(trimethoxysilyl)propyl)ethylenediamine | 23 mg/m ³ |
| 14808-60-7 | Quartz (SiO ₂) | 0.075 mg/m ³ | |
| PAC-2: | 471-34-1 | Calcium Carbonate | 210 mg/m ³ |
| | 57-11-4 | Stearic Acid, pure | 150 mg/m ³ |
| | 13463-67-7 | Titanium Dioxide | 330 mg/m ³ |
| | 2768-02-7 | Trimethoxyvinylsilane | 100 ppm |
| | 67-56-1 | Methanol | 2,100 ppm |
| | 1760-24-3 | N-(3-(trimethoxysilyl)propyl)ethylenediamine | 250 mg/m ³ |
| 14808-60-7 | Quartz (SiO ₂) | 33 mg/m ³ | |
| PAC-3: | 471-34-1 | Calcium Carbonate | 1,300 mg/m ³ |
| | 57-11-4 | Stearic Acid, pure | 910 mg/m ³ |
| | 13463-67-7 | Titanium Dioxide | 2,000 mg/m ³ |
| | 2768-02-7 | Trimethoxyvinylsilane | 120 ppm |
| | 67-56-1 | Methanol | 7200* ppm |
| | 1760-24-3 | N-(3-(trimethoxysilyl)propyl)ethylenediamine | 1,500 mg/m ³ |
| 14808-60-7 | Quartz (SiO ₂) | 200 mg/m ³ | |

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

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|-----------------------|--|
| Appearance: | Paste |
| Color: | White |
| Vapor Pressure: | <1.0 hPa (<0.8 mm Hg) @ 20°C (68°F) |
| Odor: | Slight |
| Density: | 1.66 g/cm ³ (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

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|-----------------------------------|--|
| 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) |
|----------------------------|------|------|-------------------|

| | | | |
|---------------------------------------|------------|---------------|------------------------|
| 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 ₂) | 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 ₂) | 1 |

NTP (National Toxicology Program):

| | | |
|------------|----------------------------|---|
| 14808-60-7 | Quartz (SiO ₂) | K |
|------------|----------------------------|---|

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.

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|---------------------------------------|------|---------------------------|
| 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 ₂) | 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 ₂) | 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 ₂) | 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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