



## KEE-Stone FB 60 Membrane, KEE-Stone FB 60 Flashing, KEE-Stone Utility Roll

### Safety Data Sheet

According to Federal Register/Vol. 77, No. 58/Monday, March 26, 2012/Rules and Regulations

Revision Date: N/A

Date of issue: 02/22/2016

## SECTION 1: IDENTIFICATION

### Product Identifier

**Product Form:** Membrane

**Product Name:** KEE-Stone FB 60 Membrane, KEE-Stone FB 60 Flashing, KEE-Stone Utility Roll

**Product Code:** 9500, 9501, 9504

### Intended Use of the Product

Rolled good

### Name, Address, and Telephone of the Responsible Party

#### **Manufacturer**

The Garland Company, Inc.  
3800 East 91<sup>st</sup> Street  
Cleveland, Ohio 44105-2197  
T-800-762-8225  
F-216-641-0633  
www.garlandco.com

#### **Supplier**

The Garland Company, Inc.  
3800 East 91<sup>st</sup> Street  
Cleveland, Ohio 44105-2197  
T-800-762-8225  
F-216-641-0633  
www.garlandco.com

Garland Canada, Inc.  
209 Carrier Drive  
Toronto, Ontario M9W 5Y8  
T-416-747-7995  
F-416-747-1980  
www.garlandco.com

### Emergency Telephone Number

**Emergency Number:** 1-800-262-8200 (CHEMTREC)

## SECTION 2: HAZARDS IDENTIFICATION

This is a **voluntary SDS**. Under normal use this product is not expect to create any health or environmental hazards. This product meets the requirements of **OSHA definition of an "Article" under 29 CFR 1910.1200(c) and does not require a Safety Data Sheet (SDS) as indicated under 29 CFR 1010.1200(b)(6)(v).**

Under United States Regulations (29 CFR 1900.1200 – OSHA Hazard Communication Standard) the product listed above is exempt as an article under normal conditions of use. In Canada, this product is considered a manufactured article under the Workplace Hazardous Materials Information System (WHMIS) and is exempt. Under normal conditions of use the product listed in this SDS is not expected to pose a physical hazard or health risk to humans. These products do not contain any form of asbestos materials. The component exposure limits and other information in this document are provided for abnormal or emergency circumstances such as heating (above 250F), burning, cutting, sanding and/or grinding when there is a potential for exposure to these components.

### Classification of the Substance or Mixture

#### **Classification (GHS-US)**

Acute Tox. 4	H302
Skin Irri. 2	H315
Eye Irri. 2A	H319
Eye Irri. 2B	H320
STOT SE 3	H335
Carc. 2	H351
STOT RE 1	H372

### Label Elements

#### **GHS-US Labeling**

#### **Hazard Pictograms (GHS-US)**



#### **Signal Word (GHS-US)**

: Danger

#### **Hazard Statements (GHS-US)**

: H302 - Harmful if swallowed  
H315 - Causes skin irritation

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**Precautionary Statements (GHS-US)**

- H319 – Causes serious eye irritation  
of exposure if conclusively proven that no other route applies suspected of causing cancer
- H320 - Causes eye irritation
- H335 – May cause respiratory irritation
- H351 - Suspected of causing cancer by route of exposure if conclusively proven that no other route applies
- H372 - Causes damage to organs through prolonged or repeated exposure if conclusively proven that no other route applies
- : P201 - Obtain special instructions before use.
- P202 - Do not handle until all safety precautions have been read and understood.
- P260 - Do not breathe dust
- P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
- P264 - Wash face, hands and any exposed skin thoroughly after handling.
- P270 - Do not eat, drink or smoke when using this product.
- P271 - Use only outdoors or in a well-ventilated area.
- P280 – Wear protective gloves/protective clothing/eye protection/face protection.
- P281 - Use personal protective equipment as required.
- P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.
- P304 + P340 - IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
- 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.
- P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
- P314 - Get medical advice/attention if you feel unwell.
- P321 - Specific treatment (see supplemental instructions on the administration of antidotes on this label).
- P330 - Rinse mouth.
- P332 + P313 - If skin irritation occurs: Get medical advice/attention.
- P337 + P313 - If eye irritation persists: Get medical advice/attention.
- P362 - Take off contaminated clothing and wash before reuse.
- P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.
- P405 - Store locked up.
- P501 – Dispose of contents/container to hazardous or special waste collection point.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****Component**

<b>Name</b>	<b>Product Identifier</b>	<b>% (w/w)</b>	<b>Classification (GHS-US)</b>
Polyvinyl Chloride (PVC)	(CAS No) 9002-86-2	30-40	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
Ketone Ethylene Ester (KEE)		30-40	
Calcium Carbonate	(CAS No) 1317-65-3	5-15	Acute Tox. Oral 4, H302 Skin Corr. Irr. 2, H315 Eye Irr. 2B, H320

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			STOT RE 1, H372
Titanium Dioxide	(CAS No) 13463-67-7	5-15	Carc. 2, H351
Stabilizer	Proprietary	1-5	
Plasticizer	Proprietary	1-5	

## SECTION 4: FIRST AID MEASURES

### Description of First Aid Measures

**General:** Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

**Inhalation:** Remove to fresh air. Allow the victim to rest in a well-ventilated area. Seek medical help if coughing and other symptoms do not subside.

**Skin Contact:** Wash off with soap and plenty of water. Consult a physician.

**Eye Contact:** In case of contact, do not rub or scratch your eyes. If eye contact occurs immediately flush eyes with copious amounts of water, occasionally lifting the lower and upper lids. Get medical attention immediately.

**Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### Indication of Immediate Medical Attention and Special Treatment Needed

No data available.

## SECTION 5: FIRE-FIGHTING MEASURES

### Extinguishing Media

**Suitable Extinguishing Media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

**Unsuitable Extinguishing Media:** Not available.

### Advice for Firefighters

**Precautionary Measures Fire:** Not available

**Special Protective Equipment and Precautions for Firefighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**Special Hazards Arising from the Substance or Mixture:** Carbon oxides, Hydrogen chloride gas

### Reference to Other Sections

Refer to section 9 for flammability properties.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

For personal protection see section 8.

### For Non-Emergency Personnel

**Protective Equipment:** Use appropriate personal protection equipment (PPE).

### For Emergency Personnel

### Environmental Precautions

Do not let product enter drains.

### Methods and Materials for Containment and Cleaning Up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

## SECTION 7: HANDLING AND STORAGE

### Precautions for Safe Handling

Avoid dust contact with eyes. Wear the appropriate eye protection against dust. Minimize dust generation and accumulation. Avoid breathing dust. Wear the appropriate respiratory protection against dust in poorly ventilated areas and if TLV is exceeded. Use good safety and industrial hygiene practices.

### Conditions for Safe Storage, Including Any Incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

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Because the substances listed above are incorporated into the product in a solid stable mixture, exposures exceeding the exposure limits are not likely to occur under normal conditions of use. The component exposure limits are provided for abnormal or emergency circumstances such as heating (above 250F), burning, cutting, sanding and/or grinding when there is a potential for exposure to these components. The limit of exposure is given for reference only.

### Ethene, chlorohomopolymer (9002-86-2)

ACGIH: 1 mg/m<sup>3</sup>

### Limestone (1317-65-3)

OSHA: 15 mg/m<sup>3</sup> TWA (total dust); 5 mg/m<sup>3</sup> TWA (respirable fraction)

NIOSH: 10 mg/m<sup>3</sup> TWA (total dust); 5 mg/m<sup>3</sup> TWA (respirable dust)

### Quartz (14808-60-7)

ACGIH: 0.025 mg/m<sup>3</sup> TWA (respirable fraction)

NIOSH: 0.05 mg/m<sup>3</sup> TWA (respirable dust)

## Personal Protective Equipment

### Eye/Face Protection

When engaged in activities where ingredients could contact the eye, wear safety glasses with side shields or goggles. In extremely dusty environments and unpredictable environments, wear unvented or indirectly vented goggles to avoid eye irritation or injury. Contact lenses should not be worn when working with ingredients.

### Skin Protection Respiratory Protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

### Full Contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M)

### Splash Contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M) data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

### Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific workplace. Protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace

### Respiratory Protection

Avoid actions that cause dust exposure to occur. Use local or general ventilation to control exposures below applicable exposure limits. NIOSH or MSHA approved particulate filter respirators should be used in the context of respiratory protection program meeting the requirements of the OSHA respiratory protection standard [29 CFR 1910.134] to control exposures when ventilation or other controls are inadequate or discomfort or irritation is experienced. Respirator and/or filter cartridge selection should be based on American National Standards Institute (ANSI) Standards Z88.2 Practices for Respiratory Protection.

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### Control of environmental exposure

Do not let product enter drains.



## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on Basic Physical and Chemical Properties

**Appearance:** White membrane

**Odor:** Plastic

**Physical State:** Solid

**pH:** Not Available

**Flash Point:** Not Available

**Auto-ignition Temperature:** Not Available

**Boiling Point/Range:** Not Available

**Freezing Point:** Not Available

**Flammability Limits in Air:** Not Available

**Explosive Properties:** Not Available

**Oxidizing Properties:** Not Available

**Evaporation Rate:** Not Available

**Vapor Pressure:** Not Available

**Vapor Density:** Not Available

**Specific Gravity:** Not Available

**Water Solubility:** None

**Volatiles:** Not Available

## SECTION 10: STABILITY AND REACTIVITY

**Stability:** This product is stable.

**Conditions to Avoid:** No data available

**Incompatible Materials:** Strong oxidizing agents

**Hazardous Decomposition Products:** None under normal processing.

**Possibility of Hazardous Reactions:** None under normal processing

## SECTION 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

No data available

Dermal: No data available

### Skin Corrosion/Irritation

No data available

### Serious Eye Damage/Eye Irritation

No data available

### Respiratory or Skin Sensitivity

No data available

### Germ Cell Mutagenicity

No data available

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#### **Carcinogenicity**

Exposures to respirable crystalline silica are not expected during the normal use of this product. Prolonged and repeated exposure to airborne free respirable crystalline silica can result in lung disease and/or lung cancer. IARC states that crystalline silica in the form of quartz or cristobalite from occupational sources is carcinogenic to humans (Group 1).

#### **Quartz (14808-60-7)**

Oral LD50 Rat 500 mg/kg

**ACGIH:** A2 - Suspected Human Carcinogen

**NIOSH:** potential occupational carcinogen

**NTP:** Known Human Carcinogen (respirable size) (Select Carcinogen)

**IARC:** Monograph 100C [2012] (listed under Crystalline silica inhaled in the form of quartz or cristobalite from occupational sources);

Monograph 68 [1997] (Group 1 (carcinogenic to humans))

#### **Reproductive Toxicity**

This product is not reported to have any reproductive toxicity effects.

#### **Specific target organ toxicity - single exposure**

Inhalation - May cause respiratory irritation.

#### **Specific target organ toxicity - repeated exposure**

Causes damage to organs (lungs) through prolonged or repeated exposure.

#### **Aspiration hazard**

This product is not reported to have any aspiration hazard effects.

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

## **SECTION 12: ECOLOGICAL INFORMATION**

### **Ecotoxicity**

This product is not reported to have any ecotoxicity effects.

**Persistence/Degradability:** No data available.

**Bioaccumulation/ Accumulation:** No data available.

**Mobility in Environmental Media:** No data available

## **SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste Disposal Method:** Dispose of in accordance with local, state, and federal regulations **Contaminated Packaging** Empty containers should be taken for local recycling, recovery or waste disposal

**US EPA Waste Number:** Not regulated

**Waste Disposal Recommendations:** Dispose of contents/container in accordance with local/regional/national/international regulations.

## **SECTION 14: TRANSPORT INFORMATION**

**DOT:** Not regulated

**TDG:** Not regulated

**MEX:** Not regulated

**ICAO:** Not regulated

**IATA:** Not regulated

**IMDG/IMO:** Not regulated

## **SECTION 15: REGULATORY INFORMATION**

### **International Inventories**

All of the components in the product are on the following Inventory lists:

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Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	CHINA	KECL	PICCS	AICS
Calcium Carbonate	X	X	X	X	X	X	X	X	X	X

**TSCA:** Complies

**DSL:** Complies

**NDSL:** Complies

**EINECS:** Complies

**ELINCS:** Complies

**ENCS:** Complies

**CHINA:** Complies

**KECL:** Complies

**PICCS:** Complies

**AICS:** Complies

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product does not contain any HAPs.

**State Regulations California Proposition 65**

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

This product contains the following Proposition 65 chemicals:

Chemical Name	CAS-No	Category	Type
Calcium Carbonate	1317-65-3	Carcinogen	

**State Right-to-Know**

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Ethene, chloro-, homopolymer		X	X		
Calcium Carbonate	X	X	X		X

**Canada**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

**WHMIS Hazard Class**

Not determined

**SECTION 16: OTHER INFORMATION**

**Revision Date** : 02-22-2016

**Other Information** : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

**Party Responsible for the Preparation of This Document** : The Garland Company, Inc.  
3800 East 91<sup>st</sup> Street  
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*This information is based on our knowledge as of the Revision Date and is intended to describe the product only for the purposes of health, safety and environmental requirements as of the Revision Date. It should not therefore be construed as guaranteeing any specific property of the product nor as providing any warranty, expressed or implied. The user assumes all responsibility, liability, risk of loss, damage, or expense arising out of, or in any way connected with, the handling, storage, use, or disposal of the product.*