SECTION 1: IDENTIFICATION

1.1 PRODUCT IDENTIFIER
Product Name: GacoFlex® Urethane Cold Applied Waterproofing Membrane – Vertical (part A Polyol)
Product Code: LM60V, LM60V-K1A, LM60V-K4A

1.2 RECOMMENDED USE OF CHEMICAL AND RESTRICTIONS ON USE
Product Use: Architectural Coating and Waterproofing
Use this product in accordance with all local, regional, national and international regulations.

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET
Name/Address: Firestone Building Products Company, LLC
200 4th Avenue South
Nashville, TN 37201
Gaco is a Firestone Building Products brand
Telephone Number: 800-331-0196 / International: 001-800-331-0196
Email: sds@gaco.com
Website: www.gaco.com

1.4 EMERGENCY TELEPHONE NUMBER
For Chemical Emergency
Spill, Leak, Fire, Exposure, or Incident
Within USA and Canada: 1-800-424-9300
Outside USA and Canada: +1-703-527-3887 (collect calls accepted)

SECTION 2: HAZARD(S) IDENTIFICATION

2.1 CLASSIFICATION OF THE CHEMICAL
Hazard class:
Not Classified
This mixture does not meet the criteria for classification to OSHA Hazard Communication Standard 2012 1900.1200 (HCS 2012).

2.2 LABEL ELEMENTS
Hazard pictogram: None
Signal word: None
Hazard statement: This mixture does not meet the criteria for classification to OSHA Hazard Communication Standard 2012 1900.1200 (HCS 2012).
Prevention: Observe good industrial hygiene practices.
Response: Wash hands thoroughly after handling.
Storage: Store in a well-ventilated place. Keep container tightly closed.
Disposal: Dispose of contents and container in accordance with all local, regional, national and international regulations.

2.3 ADDITIONAL INFORMATION
Main symptoms: Direct contact with eyes may cause temporary irritation.
SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 MIXTURES

Comments: This mixture does not meet the criteria for classification according to OSHA Hazard Communication Standard 2012 (HCS 2012) 1900.1200.

<table>
<thead>
<tr>
<th>Material</th>
<th>CAS No.</th>
<th>Weight %*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Limestone</td>
<td>1317-65-3</td>
<td>15-40%</td>
</tr>
<tr>
<td>Bituminous coal</td>
<td>Bituminous coal</td>
<td>10-30%</td>
</tr>
<tr>
<td>Carbon Black</td>
<td>1333-86-4</td>
<td>7-13%</td>
</tr>
<tr>
<td>Other components below reportable levels</td>
<td>--</td>
<td>30-60</td>
</tr>
</tbody>
</table>

*The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (l) of §1910.1200.

SECTION 4: FIRST-AID MEASURES

4.1 DESCRIPTION OF THE FIRST AID MEASURES

General information: Ensure that medical personnel are aware of the materials(s) involved, and take precautions to protect themselves.

Inhalation: Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact: Wash skin with plenty of soap and water. Get medical attention if irritation develops and persists.

Eye contact: Rinse eyes with water. Get medical attention if irritation develops and persists.

Ingestion: Rinse mouth. Get medical attention if symptoms occur.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Direct contact with eyes or skin may cause temporary irritation.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENTS NEEDED

Note to physicians: Treat symptomatically.

Specific treatments: In case of accident or if you feel unwell, seek medical advice (show the label or SDS where possible).

SECTION 5: FIRE-FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

General hazards: No unusual fire or explosion hazard.

Suitable extinguishing media: Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2)

Unsuitable extinguishing media: Do not use water jet as an extinguisher as this will spread the fire.

5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Specific hazards: During fire, gases hazardous to health may be formed.

Products of combustion: May include, and are not limited to: oxides of carbon.

5.3 Special protective equipment and precautions for fire-fighters (PPE)

Special protective equipment for fire-fighters:
Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Special fire-fighting procedures: Keep upwind of fire. Move containers from fire area if you can do it without risk.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

For personal protection, see Section 8 of this SDS.

6.2 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING - UP

Methods for containment: Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for cleaning-up: Stop the flow of material, if this is without risk. Dike far ahead of spill for later disposal. Following product recovery, flush area with water. For waste disposal, see Section 13 of the SDS.

Large spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use.

Environmental precautions: Avoid discharge into drains, water courses or onto the ground.

SECTION 7: HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Precautions for Safe handling: Observe good industrial hygiene practices.

General hygiene advice: Ensure that medical personnel are aware of the materials(s) involved, and take precautions to protect themselves.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Safe storage: Store away from incompatible materials.

Specific use: Architectural Coating and Waterproofing

Technical measures: No specific recommendations.

Incompatible materials: None known, avoid strong oxidizing agents.

Safe packaging material: No specific recommendations.

Precautions: Use personal protective recommended in Section 8 of the SDS.

Safe handling advice: Observe good industrial hygiene practices.

Suitable storage conditions: Store away from incompatible materials.

Handling-technical measures: No specific recommendations.

Local and general ventilation: Provide adequate ventilation.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

Control parameters: Follow standard monitoring procedures.

Exposure limits:

Limestone

OSHA:
PEL: TWA 15 mg/m³ (total)
TWA 5 mg/m³ (resp)
NIOSH:
REL: TWA 10 mg/m³ (total)
TWA 5 mg/m³ (resp)
ACGIH TLV: 2 mg/m³ (resp)

**Bituminous coal**

OSHA
PEL†: TWA 2.4 mg/m³ [respirable, < 5% SiO₂]
TWA (10 mg/m³)/(%SiO₂ + 2) [respirable, > 5% SiO₂]
See Appendix C (Mineral Dusts)
[Note: The Mine Safety and Health Administration (MSHA) PEL for respirable coal mine dust with <5% silica is 2.0 mg/m³, or (10 mg/m³) / (% respirable quartz + 2) for coal dust with > 5% silica.]
NIOSH:
REL: TWA 1 mg/m³ [measured according to MSHA method (CPSU)]
TWA 0.9 mg/m³ [measured according to ISO/CEN/ACGIH criteria]
See Appendix C (Coal Dust and Coal Mine Dust)

**Carbon Black**

OSHA:
PEL: TWA 3.5 mg/m³
NIOSH REL: TWA 3.5 mg/m³ Ca
TWA = 0.1 mg PAHs/m³ [Carbon black in presence of polycyclic aromatic hydrocarbons (PAHs)] See Appendix A See Appendix C
ACGIH TLV: TWA 3.5 mg/m³
End-user of these products are unlikely to be exposed to airborne carbon black particles, which are bound within the product matrix.

**8.2 EXPOSURE CONTROLS**

**Engineering measures to reduce exposure:**

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**8.3 INDIVIDUAL PROTECTIVE MEASURES**

**General:**
Use personal protective equipment as required.

**Eye protection:**
If contact is likely, safety glasses with side shields are recommended.

**Hand protection:**
For prolonged or repeated skin contact, use suitable protective gloves.

**Respiratory protection:**
In case of insufficient ventilation, wear suitable respiratory equipment.

**Skin and body protection:**
Wear suitable protective clothing.

**Hygiene measures:**
Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

**Thermal hazards:**
Wear appropriate thermal protective clothing, when necessary.

**Environmental exposure controls:** Environmental manager must be informed of all major releases.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**
9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Glossy Black Liquid
Color: Black
Form: Liquid
Odor: Oily smell
Odor Threshold: Not applicable
Physical State: Liquid
pH (at 20°C): Not applicable
Melting Point/Freezing Point: Not applicable
Initial Boiling Point and Boiling Range: Not applicable
Flash Point: >200°F/>93°C
Evaporation Rate: Not applicable
Flammability (solid, gaseous): Not Flammable
Lower Flammability/Explosive Limit: Not applicable
Upper Flammability/Explosive Limit: Not applicable
Evaporation rate: Not applicable
Vapor Pressure (mm Hg @38°C): Not applicable
Vapor Density: Not applicable
Density (lb/gal): 11.33
Relative Density/Specific Gravity: 1.36
Solubility in water/miscibility: Not soluble in water
Partition coefficient: n-octanol/water: Not applicable
Auto-ignition Temperature: Not applicable
Decomposition Temperature: Not applicable
Viscosity (at 25°C) g/L: 135,000 cpu
Oxidizing Properties: Not an oxidizer
Explosive Properties: Not applicable
VOC: <10 g/L (<0.083 lb/gal)
Solvent content - Organic: Not applicable
Solvent content - Water: Not applicable
Solvent content - Solids: 100%
Other information: Not applicable
Incompatibilities: None known, avoid strong oxidizing agents.

SECTION 10: STABILITY AND REACTIVITY

10.1 REACTIVITY
The product is stable and non-reactive under normal conditions of use, storage and transport.

10.2 CHEMICAL STABILITY
Chemical stability: Material is stable under normal conditions.
Materials to avoid: The product is stable and non-reactive under normal conditions of use, storage and transport.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS
Hazardous reactions: No dangerous reaction known under conditions of normal use.

10.4 CONDITIONS TO AVOID
Contact with incompatible materials.

10.5 INCOMPATIBLE MATERIALS
None known, avoid strong oxidizing agents.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS
Hazardous decomposition products: No hazardous decomposition products are known.
Hazardous polymerization: Does not occur.
SECTION 11: TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

Acute toxicity: Expected to be a low hazard for usual industrial or commercial handling by trained personnel.

Likely routes of exposure: Skin contact. Eye contact. Inhalation.

Eye: Direct contact with eyes may cause temporary irritation.

Skin: No adverse effects due to skin contact are expected. Prolonged skin contact may cause dryness, redness, or cracking.

Ingestion: Not an expected route of exposure. Expected to be a low ingestion hazard.

Inhalation: Not an expected route of exposure. No adverse effects due to inhalation are expected.

LD50/LC50 values relevant to this classification: None

Calculated overall chemical acute toxicity values for this formulation:

<table>
<thead>
<tr>
<th>Material</th>
<th>OSHA(O)</th>
<th>ACGIH(G)</th>
<th>NTP(N)</th>
<th>IARC(I)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon Black</td>
<td>Not listed</td>
<td>A3</td>
<td>Not listed</td>
<td>2B</td>
</tr>
<tr>
<td>Silica, quartz (dust)</td>
<td>Not listed</td>
<td>A2</td>
<td>K</td>
<td>1</td>
</tr>
</tbody>
</table>

11.2 DELAYED, IMMEDIATE, AND CHRONIC EFFECTS OF SHORT- AND LONG-TERM EXPOSURE

Skin corrosion/irritation: Based on available data, this product is not expected to cause skin corrosion or irritation. Prolonged skin contact may cause dryness, redness, or cracking.

Serious eye damage/irritation: Based on available data, this product is not expected to cause serious eye damage or irritation. Direct contact with eyes may cause temporary irritation.

Respiratory sensitization: Based on available data, this product is not expected to cause respiratory sensitization.

Skin sensitization: Based on available data, this product is not expected to cause skin sensitization.

Symptoms and target organs: Direct contact with eyes may cause temporary irritation.

Chronic health effects: No chronic health effects known.

Carcinogenicity: This product is not classified as a carcinogen. Due to the form of the product, exposure to the potentially carcinogenic components is not expected.

Mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Reproductive Toxicity: This product is not expected to cause reproductive or developmental effects.

Specific Target Organ Toxicity (STOT):

Single Exposure: Not classified as an STOT - Single Exposure.
SECTION 12: ECOLOGICAL INFORMATION

12.1 ECOTOXICITY
Ecotoxicity: The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Acute aquatic toxicity: The product is not classified as acutely environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Chronic toxicity: The product is not classified as having a chronic environmental hazard. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Environmental effects: The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

12.2 PERSISTENCE AND DEGRADABILITY
Persistence/biodegradability: The product contains substances which are not expected to be readily biodegradable.

12.3 BIOACCUMULATIVE POTENTIAL
Bioaccumulation: No data available.

12.4 MOBILITY
Mobility: No data available.
Mobility in soil: No data available.
Mobility in non-soil: No data available.

12.5 OTHER ADVERSE EFFECTS
Ozone layer: No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS
Disposal method: This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

Contaminated packaging: Since emptied containers may retain product residue, follow label warnings even after container is emptied. Dispose of contents and container in accordance with all local, regional, national and international regulations.

EU codes: The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Residual waste: Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Disposal instructions: Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents and container in accordance with all local, regional, national and international regulations.

Waste codes: The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Other disposal recommendations: None
DOT Non-Bulk
Not classified as Dangerous Goods for Transport

DOT Bulk
Not classified as Dangerous Goods for Transport

IMO/IMDG
Not classified as Dangerous Goods for Transport

ICAO/IATA
Not classified as Dangerous Goods for Transport

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

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

SECTION 15: REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/ LEGISLATIONS SPECIFIC FOR THE CHEMICAL

**US Federal Regulations:**


No components of this product are present at concentration greater than or equal to 0.1% and are identified as a carcinogen or potential carcinogen by OSHA.

**SARA/CERCLA reporting requirements:**

No components of this product are found at concentrations greater than or equal to 0.1% and are subject to the SARA/CERCLA reporting requirements.

**State Right-to-Know Regulations**

The following components of this product are found at concentrations greater than or equal to 0.1%, subject to state Right-to-Know reporting requirements; or are found at any concentration and are listed under California Proposition 65.

<table>
<thead>
<tr>
<th>Material</th>
<th>California Proposition 65</th>
<th>Massachus etts Right-to-Know</th>
<th>Minnesota Employee Right-to-Know</th>
<th>New Jersey Community Environmental Hazard Right-to-Know</th>
<th>New Jersey Right-to-Know Substance</th>
<th>Pennsylvan ia Right-to-Know</th>
<th>Rhode Island Right-to-Know</th>
</tr>
</thead>
<tbody>
<tr>
<td>Limestone</td>
<td>Not listed</td>
<td>Listed</td>
<td>Not listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Not listed</td>
</tr>
<tr>
<td>Carbon Black</td>
<td></td>
<td>Listed</td>
<td>Not listed</td>
<td>Listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
</tr>
</tbody>
</table>

Silica, quartz (dust)

<table>
<thead>
<tr>
<th>Material</th>
<th>California Proposition 65</th>
<th>Massachus etts Right-to-Know</th>
<th>Minnesota Employee Right-to-Know</th>
<th>New Jersey Community Environmental Hazard Right-to-Know</th>
<th>New Jersey Right-to-Know Substance</th>
<th>Pennsylvan ia Right-to-Know</th>
<th>Rhode Island Right-to-Know</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon Black</td>
<td></td>
<td>Listed</td>
<td>Not listed</td>
<td>Listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
</tr>
</tbody>
</table>

Cancer (airborne, unbound particles of respirable size)

<table>
<thead>
<tr>
<th>Material</th>
<th>California Proposition 65</th>
<th>Massachus etts Right-to-Know</th>
<th>Minnesota Employee Right-to-Know</th>
<th>New Jersey Community Environmental Hazard Right-to-Know</th>
<th>New Jersey Right-to-Know Substance</th>
<th>Pennsylvan ia Right-to-Know</th>
<th>Rhode Island Right-to-Know</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silica, quartz (dust)</td>
<td></td>
<td>Listed</td>
<td>Not listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Not listed</td>
<td>Not listed</td>
</tr>
</tbody>
</table>

Global Inventories:
EU - REACH Status:
A registration number is not available for substances in this mixture as the substances are exempted from registration or the annual tonnage does not require a registration.

<table>
<thead>
<tr>
<th>HAZARD CLASSIFICATION</th>
<th>CATEGORY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not Classified</td>
<td></td>
</tr>
</tbody>
</table>

CANADA – WHMIS (Workplace Hazardous Materials Information System) Classification (GHS):

<table>
<thead>
<tr>
<th>HAZARD CLASSIFICATION</th>
<th>CATEGORY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not Classified</td>
<td></td>
</tr>
</tbody>
</table>

MEXICO (GHS):

<table>
<thead>
<tr>
<th>HAZARD CLASSIFICATION</th>
<th>CATEGORY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not Classified</td>
<td></td>
</tr>
</tbody>
</table>

Carcinogen Status: No data available.

SECTION 16: OTHER INFORMATION

HMIS (Hazardous Materials Identification System) rating:

<table>
<thead>
<tr>
<th>Health</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammability</td>
<td>0</td>
</tr>
<tr>
<td>Physical</td>
<td>0</td>
</tr>
</tbody>
</table>

NFPA 704 (National Fire Protection Association) rating:

<table>
<thead>
<tr>
<th>Health</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fire</td>
<td>0</td>
</tr>
<tr>
<td>Reactivity</td>
<td>0</td>
</tr>
</tbody>
</table>

Legend:
- DOT: US Department of Transportation
- IATA: International Air Transport Association
- ICAO: International Civil Aviation Organization
SAFETY DATA SHEET

Date of preparation: March 19, 2020
Version: 1.0
Revision Date: March 19, 2020

Disclaimer:
We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user’s responsibility to satisfy oneself as to the suitability and completeness of this information for the user’s own particular use.

Prepared by:
Firestone Building Products Company, LLC
200 4th Avenue South
Nashville, TN 37201

Gaco is a Firestone Building Products brand

End of Safety Data Sheet