SECTION 1: IDENTIFICATION

1.1 PRODUCT IDENTIFIER
Product Name: GacoFlex® Urethane Cold Applied Waterproofing Membrane – Horizontal (part A Polyol)
Product Code: LM60H, LM60H-K1A, LM60H-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:
<table>
<thead>
<tr>
<th>HAZARD CLASSIFICATION</th>
<th>CATEGORY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not Classified</td>
<td></td>
</tr>
</tbody>
</table>

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.
Hazards not otherwise specified: None Known

23% of the mixture consists of ingredient(s) of unknown acute toxicity

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>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 (i) 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
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.

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)

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
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.

Other information: Not applicable.

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>Calculated overall Chemical Acute Toxicity Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 (inhalation)</td>
</tr>
<tr>
<td>&gt;5 mg/kg (dust and mist)</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.
- **Repeated Exposure:** Not classified as an STOT - Repeated Exposure.

**Aspiration Toxicity:** Based on available data, this product is not expected to cause aspiration toxicity.

**Other Information:** Not applicable.

**TRADE NAME:** LM60H – GacoFlex® Urethane Cold Applied Waterproofing Membrane – Horizontal (Part A)

**PAGE:** 6 of 10

**DATE:** March 19, 2020

**CPC:** 29 CFR 1920.1200

**SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:**

<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>Silica, quartz (dust)</td>
<td>Not listed</td>
<td>A2</td>
<td>K</td>
<td>1</td>
</tr>
</tbody>
</table>

**SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:**

- **OSHA (O):** Occupational Safety and Health Administration
- **ACGIH (G):** American Conference of Governmental Industrial Hygienists
- **NTP (N):** National Toxicology Program
- **IARC (I):** International Agency for Research on Cancer

- **OSHA (O):**
  - CA/Yes = Expected to be carcinogenic
  - not listed = Not expected to be carcinogenic

- **ACGIH (G):**
  - A1 =Confirmed human carcinogen
  - A2 =Suspected human carcinogen
  - A3 =Animal carcinogen
  - A4 =Not classifiable as a human carcinogen
  - A5 =Not suspected as a human carcinogen

- **NTP (N):**
  - K =Known to be a carcinogen
  - R =Reasonably anticipated to be a carcinogen
  - not listed = Not expected to be carcinogenic

- **IARC (I):**
  - 1 =Carcinogenic to humans
  - 2A =Probably carcinogenic to humans
  - 2B =Possibly carcinogenic to humans
  - 3 =Not classifiable as to its carcinogenicity to humans
  - 4 =Probably not carcinogenic to humans

**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

SECTION 14: TRANSPORT INFORMATION

DOT Non-Bulk
Not classified as Dangerous Goods for Transport

DOT Bulk
Not classified as Dangerous Goods for Transport
SECTION 15: REGULATORY INFORMATION

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

US Federal Regulations:

U.S. OSHA (Occupational Safety and Health Administration) Specifically Regulated Substances (29 CFR 1910.1001-1050)

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>Massachusetts 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>Pennsylvania 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>Silica, quartz (dust)</td>
<td>Cancer (airborne, unbound particles of respirable size)</td>
<td>Listed</td>
<td>Listed</td>
<td>Not listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Not listed</td>
</tr>
</tbody>
</table>

Global Inventories:

<table>
<thead>
<tr>
<th>Notification status:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>US - TSCA</td>
<td>All substances are listed</td>
</tr>
<tr>
<td>Canada - DSL</td>
<td>All substances are listed</td>
</tr>
<tr>
<td>Canada - NDSL</td>
<td>No substances are listed</td>
</tr>
<tr>
<td>EU - EINECS</td>
<td>Not all substances are listed</td>
</tr>
<tr>
<td>EU - ELINCS</td>
<td>No substances are listed</td>
</tr>
<tr>
<td>EU - NLP</td>
<td>At least 1 substances is listed</td>
</tr>
<tr>
<td>Australia – AICS</td>
<td>All substances are listed</td>
</tr>
</tbody>
</table>
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>
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</thead>
<tbody>
<tr>
<td>Not Classified</td>
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</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>
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</table>

Carcinogen Status: No data available.

SECTION 16: OTHER INFORMATION

HMIS (Hazardous Materials Identification System) rating:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>1</td>
</tr>
<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:

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>1</td>
</tr>
<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
IMDG              International Maritime Dangerous Goods
ACGIH             American Conference of Governmental Industrial Hygienists
NTP               National Toxicology Program
IARC              International Agency for Research on Cancer
PPE               Personal Protective Equipment
RCRA              Resource Conservation and Recovery Act
CAA               Clean Air Act
SARA              Superfund Amendments and Reauthorization Act
EPCRA             Emergency Planning and Community Right-to-Know Act
Trade Name: LM60H – GacoFlex® Urethane Cold Applied Waterproofing Membrane – Horizontal (Part A)  
March 19, 2020  
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