SECTION 1: IDENTIFICATION

1.1 PRODUCT IDENTIFIER
Product Name: GACOROOF BROWN SILICONE
Product Code: S1674, GR1674-1, GR1674-5

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
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>Sensitization - Skin</td>
<td>3</td>
</tr>
<tr>
<td>Toxic to Reproduction</td>
<td>1B</td>
</tr>
<tr>
<td>STOT RE - Specific Toxic Organ Toxicity (Repeated Exposure)</td>
<td>2</td>
</tr>
<tr>
<td>Flammable Liquids</td>
<td>2</td>
</tr>
</tbody>
</table>

2.2 LABEL ELEMENTS
Hazard pictogram: GHS02, GHS07, GHS08
Signal word: WARNING

Hazard statement: Flammable liquid and vapor
May cause an allergic skin reaction
Suspected of damaging fertility
May cause damage to organs <blood, cardiovascular> through prolonged or repeated exposure <oral>

Prevention: Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat, hot surfaces/sparks/open flames/hot surfaces. -No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Do not breathe dust/fume/gas/mist/vapors/spray.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection.

Response: Specific treatment (see Section 8 on this label).
If on skin (or hair): Remove/Take off immediately all contaminated clothing.
Rinse skin with water/shower.
Wash contaminated clothing before reuse.
If skin irritation or a rash occurs: Get medical advice/attention.
Get Medical advice/attention if you feel unwell.
In case of fire: Use water fog, foam, dry chemical powder, carbon dioxide (CO2) to extinguish.

Storage: Store in a well-ventilated place. Keep cool. Store locked up.

Disposal: Dispose of contents and container in accordance with all local, regional, national and international regulations.

2.3 ADDITIONAL INFORMATION
Main symptoms: Prolonged exposure may cause chronic effects. May cause allergic skin reaction. Dermatitis. Rash. Suspected of damaging fertility. May cause damage to organs <blood, cardiovascular> through prolonged or repeated exposure <oral>.

Hazards not otherwise specified: None Known

37% of the mixture consists of ingredient(s) of unknown acute toxicity

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 MIXTURES

<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>Distillates (petroleum), hydrotreated light</td>
<td>64742-47-8</td>
<td>10-30%</td>
</tr>
<tr>
<td>Iron Oxide (black)</td>
<td>1317-61-9</td>
<td>1-5%</td>
</tr>
<tr>
<td>Butan-2-one O,O',O&quot;-(methylsilylidyne)trioxime</td>
<td>22984-54-9</td>
<td>1-5%</td>
</tr>
<tr>
<td>Iron hydroxide oxide yellow</td>
<td>51274-00-1</td>
<td>1-5%</td>
</tr>
<tr>
<td>Iron Oxide</td>
<td>1309-37-1</td>
<td>1-5%</td>
</tr>
<tr>
<td>Silica, quartz (dust)</td>
<td>14808-60-7</td>
<td>0.1-1.0%</td>
</tr>
</tbody>
</table>
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: Remove contaminated clothing immediately and wash skin with soap and water. Wash contaminated clothing before reuse. In case of eczema or other skin disorders: Seek medical attention and bring along these instructions.

Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. 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

Prolonged exposure may cause chronic effects.
May cause allergic skin reaction. Dermatitis. Rash.
Suspected of damaging fertility.
May cause damage to organs <blood, cardiovascular> through prolonged or repeated exposure <oral>.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENTS NEEDED

Note to physicians: Treat symptomatically. Symptoms may be delayed. Thermal burns: Flush with water immediately. While flushing, remove clothes that do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital.

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: Flammable liquid and vapor.
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: Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. 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: In case of fire and/or explosion, do not breathe fumes. 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
Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained.

6.2 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING - UP
Methods for containment: Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Keep combustibles (wood, paper, oil, etc.) away from spilled material. Use appropriate Personal Protective Equipment (PPE).
Methods for cleaning-up: Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Keep combustibles (wood, paper, oil, etc.) away from spilled material. 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. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. 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: Vapors may form explosive mixtures with air. Do not handle or store near an open flame, heat or other sources of ignition. Do not smoke. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Provide adequate ventilation. Wear appropriate personal protective equipment. 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: Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Keep container tightly closed. Store in a cool and well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).
Specific use: Architectural Coating and Waterproofing
Technical measures: Vapors may form explosive mixtures with air. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment.

Incompatible materials: None known, avoid strong oxidizing agents.

Safe packaging material: Keep in original container.

Precautions: Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Take precautionary measures against static discharges.

Safe handling advice: Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Take precautionary measures against static discharges. Use personal protection recommended in Section 8 of the SDS.

Suitable storage conditions: Keep away from heat, sparks and open flame. Keep container tightly closed. Store in a cool, dry place out of direct sunlight. Store in a well-ventilated place. Keep in an area equipped with sprinklers.

Handling-technical measures: Use non-sparking tools and explosion-proof equipment. All equipment used when handling this product must be grounded.

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**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>OSHA:</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEL:</td>
<td>TWA 15 mg/m^3 (total)</td>
</tr>
<tr>
<td>TWA:</td>
<td>5 mg/m^3 (resp)</td>
</tr>
<tr>
<td>NIOSH:</td>
<td>REL: TWA 10 mg/m^3 (total)</td>
</tr>
<tr>
<td></td>
<td>TWA 5 mg/m^3 (resp)</td>
</tr>
<tr>
<td></td>
<td>ACGIH TLV: 2 mg/m^3 (resp)</td>
</tr>
</tbody>
</table>

**Distillates (petroleum), hydrotreated light**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>OSHA:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>None</td>
</tr>
<tr>
<td></td>
<td>NIOSH: None</td>
</tr>
<tr>
<td></td>
<td>ACGIH: TWA 200 mg/m^3</td>
</tr>
</tbody>
</table>

**Iron Oxide (black)**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>OSHA:</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEL:</td>
<td>TWA 10 mg/m^3</td>
</tr>
<tr>
<td>NIOSH:</td>
<td>REL: TWA 5 mg/m^3</td>
</tr>
</tbody>
</table>

Prolonged inhalation (6-10 years) of iron oxide has been reported to produce changes in lung x-rays of exposed individuals. This condition, siderosis, is considered to be a benign pneumoconiosis that exhibits no adverse health effects. Siderosis has been observed among occupants such as arc-welders where iron oxide fumes are present. To the best of our knowledge, this condition has not been observed after prolonged exposure to iron oxide pigments.

**Iron hydroxide oxide yellow**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>OSHA:</th>
</tr>
</thead>
<tbody>
<tr>
<td>PEL:</td>
<td>TWA 10 mg/m^3</td>
</tr>
<tr>
<td>NIOSH:</td>
<td></td>
</tr>
</tbody>
</table>
REL: TWA 5 mg/m³
Prolonged inhalation (6-10 years) of Iron oxide has been reported to produce changes in lung x-rays of exposed individuals. This condition, siderosis, is considered to be a benign pneumoconiosis that exhibits no adverse health effects. Siderosis has been observed among occupants such as arc-welders where iron oxide fumes are present. To the best of our knowledge, this condition has not been observed after prolonged exposure to iron oxide pigments.

Iron Oxide
OSHA:
PEL: TWA 10 mg/m³
NIOSH:
REL: TWA 5 mg/m³
Prolonged inhalation (6-10 years) of Iron oxide has been reported to produce changes in lung x-rays of exposed individuals. This condition, siderosis, is considered to be a benign pneumoconiosis that exhibits no adverse health effects. Siderosis has been observed among occupants such as arc-welders where iron oxide fumes are present. To the best of our knowledge, this condition has not been observed after prolonged exposure to iron oxide pigments.

8.2 EXPOSURE CONTROLS

Engineering measures to reduce exposure:
Explosion-proof general and local exhaust ventilation. Eyewash facilities and emergency shower are highly recommended to be available when handling this product.

8.3 INDIVIDUAL PROTECTIVE MEASURES

General:
Eyewash fountain and emergency showers are recommended. Use personal protective equipment as required.

Eye protection:
Wear safety glasses with side shields (or goggles).

Hand protection:
Wear appropriate chemical resistant gloves.

Respiratory protection:
If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

Skin and body protection:
Wear appropriate chemical resistant clothing.

Hygiene measures:
When using do not smoke. 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. Contaminated work clothing should not be allowed out of the workplace.

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: Viscous brown liquid
Color: BROWN
Form: Liquid
Odor: Mild solvent
Odor Threshold: Not applicable
Physical State: Liquid
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
Avoid heat, sparks, open flames and other ignition sources. 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: May cause an allergic skin reaction. Dermatitis. Rash.

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

**Eye:**
Direct contact with eyes may cause temporary irritation.

**Skin:**
May cause an allergic skin reaction. Dermatitis. Rash.

**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:**

### Distillates (petroleum), hydrotreated light
- Oral rat LD50 > 5000 mg/kg bw
- Oral rat LD50 > 20,000 mg/kg bw
- Inhal rat LC50 > 5.28 mg/L air
- Inhal rat LC50 > 6.03 mg/L air
- Inhal rat LC50 > 5.2 mg/L air
- Inhal rat LC50 > 4.5 mg/L air
- Inhal rat LC50 > 4.3 mg/L air
- Inhal rat LC50 > 7.5 mg/L air
- Inhal rat LC50 > 0.1 mg/L air
- Inhal rat LC50 > 5.68 mg/L air
- Inhal rat LC50 > 5.3 mg/L air
- Inhal cat LC50 > 6.4 mg/L air
- Inhal rat LC50 > 64.6 mg/L air
- Derm rabbit LD50 > 2000 mg/kg bw

### Iron Oxide (black)
- Oral rat LD50 > 5000 mg/kg bw
- Oral rat LD50 > 10000 mg/kg bw

### Butan-2-one O,O',O"-(methylsilyldiyne)trioxime
- Oral rat LD50 2463 mg/kg bw
- Oral rat LD50 ca. 2500mg/kg bw
- Derm rat LD50 > 2000 mg/kg bw

### Iron hydroxide oxide yellow
- Oral rat LD50 > 10000 mg/kg bw (no deaths)

### Iron Oxide
- Oral rat LD50 > 10,000 mg/kg bw
- Oral rat LD50 > 5000 mg/kg bw
- Oral Mouse LD50 > 750 mg/kg bw
- Inhal rat LC0 > 210 mg/m³ air (analytical)

Calculated overall chemical acute toxicity values for this formulation:

<table>
<thead>
<tr>
<th>LC50 (inhalation)</th>
<th>LD50 (oral)</th>
<th>LD50 (dermal)</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt;5 mg/kg (dust and mist)</td>
<td>&gt;2000 mg/kg</td>
<td>&gt;2000 mg/kg</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: May cause an allergic skin reaction.

Symptoms and target organs: Prolonged exposure may cause chronic effects. May cause allergic skin reaction. Dermatitis. Rash. Suspected of damaging fertility. May cause damage to organs <blood, cardiovascular> through prolonged or repeated exposure <oral>.

Chronic health effects: Prolonged exposure may cause chronic effects. Suspected of damaging fertility. May cause damage to organs <blood, cardiovascular> through prolonged or repeated exposure <oral>.

Carcinogenicity: This product is not classified as a carcinogen.

<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>Soda Lime Borosilicate Glass (fibers)</td>
<td>Not listed</td>
<td>Not listed</td>
<td>2-inhal</td>
<td>3</td>
</tr>
<tr>
<td>Silica, quartz (dust)</td>
<td>Not listed</td>
<td>A2</td>
<td>K</td>
<td>1</td>
</tr>
<tr>
<td>Titanium dioxide (dust)</td>
<td>Not listed</td>
<td>A4</td>
<td>Not listed</td>
<td>2B</td>
</tr>
</tbody>
</table>

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

**Reproductive Toxicity:** Suspected of damaging fertility.

**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.

## 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: D001: Waste Flammable material with a flash point <140°F (<60°C) 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 hazardous for transport under exception 173.150 (f) (2,3)

DOT Bulk
UN: UN1263
Proper shipping name: Paint
Hazard class: 3
Packing group: PG III

IMO/IMDG
UN: UN1263
Proper shipping name: Paint
Hazard class: 3
Packing group: PG III

ICAO/IATA
UN: UN1263
Proper shipping name: Paint
Hazard class: 3
Packing group: PG III

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:

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:

The following components of this product are found at concentrations greater than or equal to 0.1% and are subject to SARA/CERCLA reporting requirements.

<table>
<thead>
<tr>
<th>Material</th>
<th>SARA 302 (EHSs) TPQ</th>
<th>SARA 304 EHSs RQ</th>
<th>CERCLA RQ</th>
<th>SARA 313 listed</th>
<th>RCRA CODE</th>
<th>CAA 112(r) TQ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manganese</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>313</td>
<td>Not listed</td>
<td>Not listed</td>
</tr>
</tbody>
</table>

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 Employee Right-to-Know</th>
<th>Minnesota Employee Right-to-Know</th>
<th>New Jersey Community Hazardous Substance</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>Listed</td>
<td>Not listed</td>
<td>Listed</td>
<td>Not listed</td>
<td>Not listed</td>
</tr>
<tr>
<td>Iron oxide</td>
<td>Not listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Not listed</td>
<td>Listed</td>
<td>Not 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>
<tr>
<td>Titanium dioxide (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>
<tr>
<td>Manganese</td>
<td>Dev</td>
<td>Listed</td>
<td>Listed</td>
<td>Not listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
</tr>
<tr>
<td>Toluene (trace &lt;0.1%)</td>
<td>Cancer, Dev</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
</tr>
<tr>
<td>Chromium (trace &lt;0.01%)</td>
<td>Cancer</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
</tr>
<tr>
<td>Nickel (trace &lt;0.001%)</td>
<td>Cancer</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
</tr>
<tr>
<td>Arsenic (trace &lt;0.001%)</td>
<td>Cancer</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
</tr>
<tr>
<td>Cobalt (trace &lt;0.0001%)</td>
<td>Cancer</td>
<td>Listed</td>
<td>Listed</td>
<td>Not listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
</tr>
<tr>
<td>Lead (trace &lt;0.0001%)</td>
<td>Cancer, Dev</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
<td>Listed</td>
</tr>
</tbody>
</table>

California:

Proposition 65:

!!WARNING: This product can expose you to Toluene, Chromium, Nickel, Arsenic, Cobalt and Lead, which are known to the State of California to cause cancer. Toluene and Lean, which are known to the State of California to cause birth defects or other reproductive harm. For more
Global Inventories:

<table>
<thead>
<tr>
<th>Notification status:</th>
</tr>
</thead>
<tbody>
<tr>
<td>US - TSCA</td>
</tr>
<tr>
<td>Canada -DSL</td>
</tr>
<tr>
<td>Canada - NDSL</td>
</tr>
<tr>
<td>EU - EINECS</td>
</tr>
<tr>
<td>EU - ELINCS</td>
</tr>
<tr>
<td>EU - NLP</td>
</tr>
<tr>
<td>Australia – AICS</td>
</tr>
<tr>
<td>China - EICSC</td>
</tr>
<tr>
<td>Japan - ENCS</td>
</tr>
<tr>
<td>Korea - KECI</td>
</tr>
<tr>
<td>Taiwan - NECI</td>
</tr>
<tr>
<td>New Zealand - NZIoC</td>
</tr>
<tr>
<td>Philippine - PICCS</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>
</tr>
</thead>
<tbody>
<tr>
<td>Sensitization - Skin</td>
<td>3</td>
</tr>
<tr>
<td>Toxic to Reproduction</td>
<td>1B</td>
</tr>
<tr>
<td>STOT RE - Specific Toxic Organ Toxicity (Repeated Exposure)</td>
<td>2</td>
</tr>
<tr>
<td>Flammable Liquids</td>
<td>2</td>
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</tbody>
</table>

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

<table>
<thead>
<tr>
<th>HAZARD CLASSIFICATION</th>
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<td>2</td>
</tr>
<tr>
<td>Flammable Liquids</td>
<td>2</td>
</tr>
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</table>

MEXICO (GHS):

<table>
<thead>
<tr>
<th>HAZARD CLASSIFICATION</th>
<th>CATEGORY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensitization - Skin</td>
<td>3</td>
</tr>
<tr>
<td>Toxic to Reproduction</td>
<td>1B</td>
</tr>
<tr>
<td>STOT RE - Specific Toxic Organ Toxicity (Repeated Exposure)</td>
<td>2</td>
</tr>
<tr>
<td>Flammable Liquids</td>
<td>2</td>
</tr>
</tbody>
</table>

Carcinogen Status: No data available.

SECTION 16: OTHER INFORMATION

HMIS (Hazardous Materials Identification System) rating:

| Health: 2* |
| Flammability: 2 |
NFPA 704 (National Fire Protection Association) rating:

<table>
<thead>
<tr>
<th>Health</th>
<th>2</th>
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</thead>
<tbody>
<tr>
<td>Fire</td>
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</tr>
<tr>
<td>Reactivity</td>
<td>0</td>
</tr>
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</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
- NTTP: 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
- WHMIS: Workplace Hazardous Materials Information System
- EU: European Union
- REACH: Regulation on Registration, Evaluation, Authorisation and Restriction of Chemicals
- CERCLA: Comprehensive Environmental Response, Compensation and Liability Act
- TSCA: US Toxic Substances Control Act (TSCA)
- DSL: Canada Domestic Substance List (DSL)
- NDSL: Canada Non-Domestic Substance List (NDSL)
- EINECS: European Inventory of Existing Commercial Chemical Substances (EINECS)
- ELINCS: European List of Notified Chemical Substances (ELINCS)
- NLP: European list of No-longer Polymers (NLP)
- AICS: Australian Inventory of Chemical Substances (AICS)
- EICSC: China Existing Chemical Inventory - IECS
- ENCS: Japanese Existing and New Chemical Substances Inventory(ENCS)
- KECI: Korea Existing Chemicals Inventory(KECI)
- NECI: Taiwan National Existing Chemical Inventory (NECI)
- NZIoC: New Zealand Inventory of Chemicals (NZIoC)
- PICCS: Philippine Inventory of Chemicals and Chemical Substances (PICCS)
- HMIS: Hazardous Materials Identification System
- NFPA: National Fire Protection Association (NFPA)

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Version: 1.0
Revision Date: November 2, 2018

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.

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