SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form: Mixture
Product name: Aramid Fiber Reinforced Phenolic Laminate
Other means of identification: Gillfab 1360A Laminate
                      Gillfab 1360B Laminate

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture: Floor panels

1.3. Details of the supplier of the safety data sheet

The Gill Corporation
4056 Easy Street
El Monte, CA 91731
www.thegillcorp.com

1.4. Emergency telephone number

Emergency number: CHEMTREC: 1-800-424-9300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)
Carc. 1B  H350
Repr. 1A  H360
STOT SE 1 H370

Full text of H-phrases: see section 16

2.2. Label elements

Hazard pictograms (GHS-US): Danger

Signal word (GHS-US): Danger
Hazard statements (GHS-US):
H350 - May cause cancer
H360 - May damage fertility or the unborn child
H370 - Causes damage to organs

Precautionary statements (GHS-US): P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P260 - Do not breathe dust/fume/gas/mist/vapors/spray
P264 - Wash ... thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P307 + P311 - If exposed: Call a poison center/doctor
P308 + P313 - If exposed or concerned: Get medical attention
P321 - Specific treatment (see Section 4 on this label)
P405 - Store locked up
P501 - Dispose of contents/container to comply with local/regional/national/international regulations

2.3. Other hazards

Other hazards not contributing to the classification: As packaged, this material does not present significant health hazards. The hazards below apply to the product if aerosols or dusts are generated from cutting, grinding, or smelting. As shipped this material is an inert Aramid fiber/plastic laminate in which ingredients have been cured using a thermoset process.

2.4. Unknown acute toxicity (GHS-US)

Not applicable
Aramid Fiber Reinforced Phenolic Laminate
Safety Data Sheet
generated from Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 3: Composition/information on ingredients

3.1. Substance
Not applicable

3.2. Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification (GHS-US)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aramid fiber (Poly(paraphenylenediamine))</td>
<td>(CAS No) 26125-65-1</td>
<td>55 - 75</td>
<td>Not classified</td>
</tr>
<tr>
<td>Co-cured phenolic resin/synthetic elastomer (containing Methanol, Phenol, Formaldehyde)</td>
<td>(CAS No) Proprietary</td>
<td>10 - 30</td>
<td>Carc. 2, H351, STOT SE 1, H370</td>
</tr>
<tr>
<td>Flame Retardant (containing styrene)</td>
<td>(CAS No) Proprietary</td>
<td>0.3-1.0</td>
<td>Carc. 1B, H350, Repr. 1A, H350</td>
</tr>
</tbody>
</table>

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. First aid measures general
First-aid measures general: Call 911 or emergency medical service. Move victim to fresh air. Keep victim warm and quiet. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

4.2. Most important symptoms and effects, both acute and delayed
Symptoms/injuries: As packaged, this material does not present significant health hazards. The hazards below apply to the product if aerosols or dusts are generated from cutting, grinding, or smelting.
Symptoms/injuries after inhalation: Inhalation of dust may result in itching and upper respiratory tract irritation. Vapors may cause dizziness or suffocation.
Symptoms/injuries after skin contact: Dusts and particulate matter may cause irritation of the skin.
Symptoms/injuries after eye contact: Dusts and particulate matter may cause irritation of the eyes. Mechanical irritation, potentially severe, can result from eye contact with this material.
Symptoms/injuries after ingestion: May cause toxic effects if inhaled or ingested/swallowed.
Chronic symptoms: Persons with a history of chronic lung diseases may be at increased risk from exposure to excessive levels of nuisance dust. Persons with medical conditions generally aggravated by mechanical irritants in the air or on the skin may be at increased risk for a worsening of the underlying condition if exposed.

4.3. Indication of any immediate medical attention and special treatment needed
No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media: Any. Use media appropriate for surrounding fire.

5.2. Special hazards arising from the substance or mixture
Fire hazard: Product will not burn.
Explosion hazard: Can decompose in a fire emitting toxic fumes and gases of CO, CO2, methane, formaldehyde, phenol, hydrogen bromide, and hydrogen cyanide, oxides of nitrogen, ammonia, and small amounts of aromatic and aliphatic hydrocarbons.

5.3. Advice for firefighters
Firefighting instructions: Evacuate area.
Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection. Firefighters should wear a NIOSH approved full-face piece self-contained breathing apparatus (SCBA) operated in positive pressure mode and full turnout or bunker gear.
Other information: If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions.
SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures: Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Avoid breathing dust.

6.1.1. For non-emergency personnel

Emergency procedures: Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment: Wear positive pressure self-contained breathing apparatus (SCBA). Wear protective clothing, a properly fitted, air-purifying or air-fed respirator if a risk assessment indicates this is necessary, chemical-resistant gloves, safety glasses.

Emergency procedures: Ventilate area.

6.2. Environmental precautions

Any wastes generated during cleanup operations should be evaluated with respect to hazardous and solid waste regulations and disposed of in a properly permitted facility in accordance with all local, state, and federal regulations.

6.3. Methods and material for containment and cleaning up

For containment: Do not walk through any dust resulting from damage to product. Prevent entry into waterways, sewers, basements or confined areas.

Methods for cleaning up: Pick up product and return to original packaging if reusable. If not reusable, place in appropriate containers for disposal. Any wastes generated during cleanup operations should be evaluated with respect to hazardous and solid waste regulations and disposed of in a properly permitted facility in accordance with all local, state, and federal regulations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling: Avoid contact with skin and eyes. Use methods to minimize dust. Do not breathe dust. DO NOT use compressed air or dry sweeping to remove dust from work area. Use a vacuum with adequate filtration system to remove dusts. If an appropriate vacuum is unavailable, only wet-clean-up methods should be used (i.e. misting). Moisture should be added as necessary to reduce exposure to airborne respirable dust.

Hygiene measures: Practice good housekeeping. Wash thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in tightly closed containers out of contact with the elements.

Incompatible products: Strong acids. reducing agents.

Packaging materials: Place carefully in dry, water-tight containers. Seal containers.

7.3. Specific end use(s)

Use of the substance/mixture: Floor panels

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Aramid fiber (Poly(paraphenylenediamine)) (CAS No) 26125-65-1</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
</tr>
<tr>
<td>OSHA</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Flame Retardant (containing styrene) (Not Available) Particulates Not Otherwise Regulated</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
</tr>
<tr>
<td>OSHA</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Co-cured phenolic resin/synthetic elastomer( containingMethanol, Phenol, Formaldehyde) (Proprietary)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
</tr>
<tr>
<td>OSHA</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Particulates Not Otherwise Regulated (Total Dust)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
</tr>
</tbody>
</table>

08/10/2015 EN (English US) 3/7
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<table>
<thead>
<tr>
<th>Particulates Not Otherwise Regulated (Total Dust)</th>
<th>OSHA</th>
<th>OSHA PEL (TWA) (mg/m³)</th>
<th>5mg/m³ Respirable; 15 mg/m³ Total dust</th>
</tr>
</thead>
</table>

### 8.2. Exposure controls

**Appropriate engineering controls**: General ventilation. Local exhaust and enclosed processes may be necessary for processes which generate large quantities of airborne dust.

**Personal protective equipment**: An Appropriate apron or other body covering, see above, is recommended where there is a possibility of regular work clothing becoming contaminated with the product. All soiled or dirty clothing and personal protective equipment should be thoroughly cleaned before reuse.

**Eye protection**: Where eye contact is possible with particulate matter, safety glasses with side shields are recommended.

**Skin and body protection**: Use insulated, impervious plastic or neoprene-coated canvas gloves and protective gear (apron, face shield, etc.) to protect hands and other skin areas.

**Respiratory protection**: If dusts or particulates are generated during handling or processing and exposures may exceed the limits cited above, use, as a minimum, a NIOSH approved ½ face piece respirator with cartridges approved for particulate matter with an exposure limit of not less than 0.05 mg/M3.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

- **Physical state**: Solid
- **Appearance**: Flat Sheet.
- **Color**: Yellow
- **Odor**: Slight Sweet
- **Odor threshold**: No data available
- **pH**: No data available
- **Relative evaporation rate (butyl acetate=1)**: No data available
- **Melting point**: No data available
- **Freezing point**: No data available
- **Boiling point**: No data available
- **Flash point**: No data available
- **Auto-ignition temperature**: No data available
- **Decomposition temperature**: No data available
- **Flammability (solid, gas)**: No data available
- **Vapor pressure**: No data available
- **Relative vapor density at 20 °C**: No data available
- **Relative density**: 1.16g/cc
- **Solubility**: Unknown.
- **Log Pow**: No data available
- **Log Kow**: No data available
- **Viscosity, kinematic**: No data available
- **Viscosity, dynamic**: No data available
- **Explosive properties**: No data available
- **Oxidizing properties**: No data available
- **Explosive limits**: No data available

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No additional information available

#### 10.2. Chemical stability

Product is stable. Hazardous polymerization will not occur.

#### 10.3. Possibility of hazardous reactions

No additional information available
10.4. **Conditions to avoid**
No additional information available

10.5. **Incompatible materials**
Strong oxidizing agents, strong acids and bases, especially oxalic and hydrofluoric acid and acyl halides.

10.6. **Hazardous decomposition products**
CO, CO₂, formaldehyde, phenol, hydrogen bromide, hydrogen cyanide, oxides of nitrogen, ammonia and small amounts of aromatic and aliphatic hydrocarbons.

### SECTION 11: Toxicological information

11.1. **Information on toxicological effects**

<table>
<thead>
<tr>
<th>Acute toxicity</th>
<th>Not classified</th>
</tr>
</thead>
</table>

**Flame Retardant (containing styrene)**

<table>
<thead>
<tr>
<th>LC50 inhalation rat (mg/l)</th>
<th>2797 mg/l/4h</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATE US (vapors)</td>
<td>2797.000 mg/l/4h</td>
</tr>
<tr>
<td>ATE US (dust, mist)</td>
<td>2797.000 mg/l/4h</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Skin corrosion/irritation</th>
<th>Not classified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Serious eye damage/irritation</td>
<td>Not classified</td>
</tr>
<tr>
<td>Respiratory or skin sensitization</td>
<td>Not classified</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Suspected of causing cancer.</td>
</tr>
</tbody>
</table>

**Flame Retardant (containing styrene)**

<table>
<thead>
<tr>
<th>National Toxicology Program (NTP) Status</th>
<th>3 - Reasonably anticipated to be Human Carcinogen</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Reproductive toxicity</th>
<th>Not classified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Specific target organ toxicity (single exposure)</td>
<td>Not classified</td>
</tr>
<tr>
<td>Specific target organ toxicity (repeated exposure)</td>
<td>May cause damage to organs (central nervous system, lung/respiratory system) through prolonged or repeated exposure (Dermal, Inhalation).</td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>Not classified</td>
</tr>
<tr>
<td>Symptoms/injuries</td>
<td>As packaged, this material does not present significant health hazards. The hazards below apply to the product if aerosols or dusts are generated from cutting, grinding, or smelting.</td>
</tr>
<tr>
<td>Symptoms/injuries after inhalation</td>
<td>Inhalation of dust may result in itching and upper respiratory tract irritation. Vapors may cause dizziness or suffocation.</td>
</tr>
<tr>
<td>Symptoms/injuries after skin contact</td>
<td>Dusts and particulate matter may cause irritation of the skin.</td>
</tr>
<tr>
<td>Symptoms/injuries after eye contact</td>
<td>Dusts and particulate matter may cause irritation of the eyes. Mechanical irritation, potentially severe, can result from eye contact with this material.</td>
</tr>
<tr>
<td>Symptoms/injuries after ingestion</td>
<td>May cause toxic effects if inhaled or ingested/swallowed.</td>
</tr>
<tr>
<td>Chronic symptoms</td>
<td>Persons with a history of chronic lung diseases may be at increased risk from exposure to excessive levels of nuisance dust. Persons with medical conditions generally aggravated by mechanical irritants in the air or on the skin may be at increased risk for a worsening of the underlying condition if exposed.</td>
</tr>
</tbody>
</table>

### SECTION 12: Ecological information

12.1. **Toxicity**
Ecology - general : This product has no known eco-toxicological effects.

12.2. **Persistence and degradability**
No additional information available

12.3. **Bioaccumulative potential**
No additional information available

12.4. **Mobility in soil**
No additional information available

12.5. **Other adverse effects**
Effect on the global warming : No known ecological damage caused by this product.
### SECTION 13: Disposal considerations

#### Waste treatment methods

**Waste disposal recommendations**

If material as supplied becomes a waste, incinerate or landfill in accordance with local, state, and federal laws and regulations. Incinerate only if incinerator is operated at high temperature and is capable of scrubbing out acidic combustion products. Contact your local or state environmental agency for specific rules.

**Additional information**

Empty containers will contain product residues. Observe proper safety and handling precautions. Do not allow empty containers to be used for any purpose except to store and ship original product.

**Ecology - waste materials**

Avoid release to the environment.

### SECTION 14: Transport information

**In accordance with DOT**

Not regulated for transport

**Additional information**

No supplementary information available.

**ADR**

No additional information available

**Transport by sea**

No additional information available

**Air transport**

No additional information available

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

**Aramid Fiber Reinforced Phenolic Laminate**

Not listed on the United States TSCA (Toxic Substances Control Act) inventory

All components of this product are listed on the Toxic Substances Control Act (TSCA) inventory.

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS No</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aramid fiber (Poly(paraphenylenediamine))</td>
<td>CAS No</td>
<td>C&gt;=55.00% ; C&lt;=75.00%</td>
</tr>
<tr>
<td>Flame Retardant (containing styrene)</td>
<td>CAS No</td>
<td>C&gt;=0.30% ; C&lt;=0.10%</td>
</tr>
<tr>
<td>Co-cured phenolic resin/synthetic elastomer (containing Methanol, Phenol, Formaldehyde)</td>
<td>CAS No Proprietary</td>
<td>C&gt;=10.00% ; C&lt;=30.00%</td>
</tr>
</tbody>
</table>

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

<table>
<thead>
<tr>
<th>Component</th>
<th>EPA TSCA Regulatory Flag</th>
</tr>
</thead>
<tbody>
<tr>
<td>Co-cured phenolic resin/synthetic elastomer (containing Methanol, Phenol, Formaldehyde) (Proprietary)</td>
<td>All components of this product are listed on the TSCA inventory.</td>
</tr>
</tbody>
</table>

#### 15.2. International regulations

**CANADA**

<table>
<thead>
<tr>
<th>Component</th>
<th>WHMIS Classification</th>
</tr>
</thead>
</table>
| Co-cured phenolic resin/synthetic elastomer (containing Methanol, Phenol, Formaldehyde) (Proprietary) | Class B Division 2 - Flammable Liquid
Class D Division 2 Subdivision A - Very toxic material causing other toxic effects
Class D Division 2 Subdivision B - Toxic material causing other toxic effects |

#### EU-Regulations

No additional information available

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Not classified

**Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]**

Not classified

#### 15.2. National regulations

**15.3. US State regulations**

California Proposition 65 - This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer and/or reproductive toxicity.
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<table>
<thead>
<tr>
<th>U.S. - California - Proposition 65 - Carcinogens List</th>
<th>U.S. - California - Proposition 65 - Developmental Toxicity</th>
<th>U.S. - California - Proposition 65 - Reproductive Toxicity - Female</th>
<th>U.S. - California - Proposition 65 - Reproductive Toxicity - Male</th>
<th>No significance risk level (NSRL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td></td>
</tr>
</tbody>
</table>

SECTION 16: Other information

Revision date: 09/20/2015

Full text of H-phrases:

<table>
<thead>
<tr>
<th>Carc. 1B</th>
<th>Carcinogenicity Category 1B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carc. 2</td>
<td>Carcinogenicity Category 2</td>
</tr>
<tr>
<td>Repr. 1A</td>
<td>Reproductive toxicity Category 1A</td>
</tr>
<tr>
<td>STOT SE 1</td>
<td>Specific target organ toxicity (single exposure) Category 1</td>
</tr>
<tr>
<td>H350</td>
<td>May cause cancer</td>
</tr>
<tr>
<td>H351</td>
<td>Suspected of causing cancer</td>
</tr>
<tr>
<td>H360</td>
<td>May damage fertility or the unborn child</td>
</tr>
<tr>
<td>H370</td>
<td>Causes damage to organs</td>
</tr>
</tbody>
</table>

NFPA health hazard: 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.

NFPA fire hazard: 0 - Materials that will not burn.

NFPA reactivity: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

HMIS III Rating

Health: 3 - Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given

Flammability: 0 - Minimal Hazard

Physical: 0 - Minimal Hazard

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.