Marseal MEMBRANE
Safety Data Sheet
According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations
Revision Date: 06/10/2016 Date of Issue: 06/10/2016

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form: Mixture
Product Name: Marseal MEMBRANE
Other Means of Identification: Marseal 3500 Loose Laid, Marseal 4000 Surface-adhered
Document Code: SDS221

1.2. Intended Use of the Product
Use of the Substance/Mixture: Secondary containment of tanks.

1.3. Name, Address, and Telephone of the Responsible Party
Company
Blair Rubber Company
5020 Panther Pkwy
Seville, OH 44273
T 800-321-5583
blairrubber.com

1.4. Emergency Telephone Number
Emergency Number: 800-424-9300 (CHEMTREC), 202-483-7616 (International)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

GHS-US Classification
Skin Sens. 1 H317
Muta. 1B H340
Carc. 1A H350
Repr. 1B H360

Full text of hazard classes and H-statements: see section 16

2.2. Label Elements

GHS-US Labelling
Hazard Pictograms (GHS-US):

Signal Word (GHS-US): Danger
Hazard Statements (GHS-US):
H317 - May cause an allergic skin reaction.
H340 - May cause genetic defects.
H350 - May cause cancer.
H360 - May damage fertility or the unborn child.

Precautionary Statements (GHS-US):
P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P261 - Avoid breathing dust, fumes from decomposition, vapors from decomposition.
P272 - Contaminated work clothing must not be allowed out of the workplace.
P280 - Wear protective gloves, protective clothing, and eye protection.
P302+P352 - If on skin: Wash with plenty of water.
P308+P313 - If exposed or concerned: Get medical advice/attention.
P321 - Specific treatment (see section 4 on this SDS).
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P363 - Wash contaminated clothing before reuse.
P405 - Store locked up.
P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

2.3. Other Hazards
When heated to decomposition, emits toxic fumes. Contains chemicals with hazards that are associated with their dust and usual forms. The hazards associated with these chemicals are not bioavailable under normal conditions of use due to the compounds being polymer bound. Exposure may aggravate pre-existing eye, skin, or respiratory conditions.
2.4. Unknown Acute Toxicity (GHS-US)
4.6 percent of the mixture consists of ingredient(s) of unknown acute toxicity.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance
Not applicable

3.2. Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product Identifier (CAS No)</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polymer</td>
<td>Proprietary</td>
<td>25 - 35</td>
</tr>
<tr>
<td>Filler</td>
<td>Proprietary</td>
<td>15 - 25</td>
</tr>
<tr>
<td>Pitch, coal tar, high-temperature</td>
<td>65996-93-2</td>
<td>5 - 12</td>
</tr>
<tr>
<td>Process Aid 1</td>
<td>Proprietary</td>
<td>2 - 7</td>
</tr>
<tr>
<td>Activator</td>
<td>Proprietary</td>
<td>0.1 - 2</td>
</tr>
<tr>
<td>Process Aid 2</td>
<td>(CAS No) Proprietary</td>
<td>0.1 - 2</td>
</tr>
<tr>
<td>Binder</td>
<td>(CAS No) Proprietary</td>
<td>0.1 - 2</td>
</tr>
</tbody>
</table>

The specific chemical identity and/or exact percentage of composition have been withheld as a trade secret [29 CFR 1910.1200].

SECTION 4: FIRST AID MEASURES

4.1. Description of First-aid Measures
First-aid Measures General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid Measures Inhalation: Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.
First-aid Measures After Skin Contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation develops or persists. Wash contaminated clothing before reuse.
First-aid Measures After Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.
First-aid Measures After Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

4.2. Most Important Symptoms and Effects Both Acute and Delayed
Symptoms/Injuries: Skin sensitization. There are potential chronic health effects to consider.
Symptoms/Injuries After Inhalation: Dust may be harmful or cause irritation.
Symptoms/Injuries After Skin Contact: May cause an allergic skin reaction.
Symptoms/Injuries After Eye Contact: May cause slight irritation to eyes.
Symptoms/Injuries After Ingestion: Ingestion may cause adverse effects.
Chronic Symptoms: May cause genetic defects. May cause cancer. May damage fertility or the unborn child. Prolonged inhalation of fumes from thermal decomposition may have long-term adverse effects.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed
If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media
Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire.
Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. Special Hazards Arising From the Substance or Mixture
Fire Hazard: May form combustible dust concentrations in air when processed.
Explosion Hazard: Dust generated from processing may present a dust explosion hazard.
Reactivity: Hazardous reactions will not occur under normal conditions.

5.3. Advice for Firefighters
Precautionary Measures Fire: Exercise caution when fighting any chemical fire.
Firefighting Instructions: Use water spray or fog for cooling exposed containers.
Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.
Other Information: Risk of dust explosion when processed.
SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Do not get in eyes, on skin, or on clothing. Do not breathe fumes from fires or vapors from decomposition. Do not handle until all safety precautions have been read and understood. Avoid generating dust. Remove ignition sources. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.

6.1.1. For Non-Emergency Personnel

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


6.1.2. For Emergency Responders

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

6.2. Environmental Precautions

Prevent entry to sewers and public waters.

6.3. Methods and Materials for Containment and Cleaning Up

For Containment: Contain solid spills with appropriate barriers and prevent migration and entry into sewers or streams. Avoid generation of dust during clean-up of spills.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Contact competent authorities after a spill. Use explosion proof vacuum during cleanup, with appropriate filter. Do not mix with other materials. Vacuum clean-up is preferred. If sweeping is required use a dust suppressant. Use only non-sparking tools.

6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Additional Hazards When Processed: Accumulation and dispersion of dust with an ignition source can cause a combustible dust explosion. Keep dust levels to a minimum and follow applicable regulations.

Other Information: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not breathe fumes from fires or vapors from decomposition. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes, on skin, or on clothing. Avoid creating or spreading dust. Keep away from heat, sparks, open flames, hot surfaces. – No smoking.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations. Avoid creating or spreading dust. Use explosion-proof electrical, ventilating, lighting equipment. Proper grounding procedures to avoid static electricity should be followed.

Storage Conditions: Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

Incompatible Products: Strong acids, strong bases, strong oxidizers.

7.3. Specific End Use(s)

Secondary containment of tanks.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), or OSHA (PEL).

<table>
<thead>
<tr>
<th>Polymer</th>
<th>USA ACGIH ACGIH TWA (mg/m³)</th>
<th>1 mg/m³ (respirable fraction)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>USA ACGIH ACGIH chemical category</td>
<td>Not Classifiable as a Human Carcinogen</td>
</tr>
<tr>
<td>Pitch, coal tar, high-temperature (65996-93-2)</td>
<td>USA ACGIH ACGIH TWA (mg/m³)</td>
<td>0.2 mg/m³</td>
</tr>
<tr>
<td></td>
<td>USA ACGIH ACGIH chemical category</td>
<td>Confirmed Human Carcinogen</td>
</tr>
<tr>
<td></td>
<td>USA ACGIH Biological Exposure Indices (BEI)</td>
<td>(Medium: urine - Time: end of shift at end of workweek - Parameter: 1-Hydroxypyrene with hydrolysis (nonquantitative))</td>
</tr>
<tr>
<td></td>
<td>USA NIOSH NIOSH REL (TWA) (mg/m³)</td>
<td>0.1 mg/m³ (Cyclohexane-extractable fraction)</td>
</tr>
<tr>
<td></td>
<td>USA IDLH US IDLH (mg/m³)</td>
<td>80 mg/m³</td>
</tr>
<tr>
<td></td>
<td>USA OSHA OSHA PEL (TWA) (mg/m³)</td>
<td>0.2 mg/m³ (benzene soluble fraction)</td>
</tr>
</tbody>
</table>
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### Filler

<table>
<thead>
<tr>
<th></th>
<th>USA NIOSH</th>
<th>USA OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>NIOSH REL (TWA) (mg/m³)</td>
<td>10 mg/m³ (total dust)</td>
<td>5 mg/m³ (respirable dust)</td>
</tr>
<tr>
<td>OSHA PEL (TWA) (mg/m³)</td>
<td>15 mg/m³ (total dust)</td>
<td>5 mg/m³ (respirable fraction)</td>
</tr>
</tbody>
</table>

### Binder

<table>
<thead>
<tr>
<th></th>
<th>USA ACGIH</th>
<th>USA NIOSH</th>
<th>USA IDLH</th>
<th>USA OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH TWA (mg/m³)</td>
<td>0.025 mg/m³ (respirable fraction)</td>
<td>0.05 mg/m³ (respirable dust)</td>
<td>50 mg/m³ (respirable dust)</td>
<td>OSHA PEL (TWA) (mg/m³)</td>
</tr>
</tbody>
</table>

|                      | 250 mppcf/%SiO₂+5, 10mg/m³/%SiO₂+2 |

### Activator

<table>
<thead>
<tr>
<th></th>
<th>USA ACGIH</th>
<th>USA NIOSH</th>
<th>USA OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH TWA (mg/m³)</td>
<td>5 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NIOSH REL (TWA) (mg/m³)</td>
<td></td>
<td>5 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

|                      | 15 mg/m³ (total dust) | 5 mg/m³ (respirable fraction) |

### 8.2. Exposure Controls

**Appropriate Engineering Controls**: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof equipment. Use local exhaust or general dilution ventilation or other suppression methods to maintain dust levels below exposure limits. Power equipment should be equipped with proper dust collection devices. It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment.


**Materials for Protective Clothing**: Chemically resistant materials and fabrics.

**Hand Protection**: Wear protective gloves.

**Eye Protection**: Chemical goggles or safety glasses.

**Skin and Body Protection**: Wear suitable protective clothing.

**Respiratory Protection**: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

**Other Information**: When using, do not eat, drink or smoke.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1. Information on Basic Physical and Chemical Properties

**Physical State**: Solid

**Appearance**: Black sheet

**Odor**: No data available

**Odor Threshold**: No data available

**pH**: No data available

**Evaporation Rate**: No data available

**Melting Point**: No data available

**Freezing Point**: No data available

**Boiling Point**: No data available

**Flash Point**: 375 °F (191 °C)

06/10/2016  EN [English US]
Auto-ignition Temperature: 750 °F (399 °C)
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
Specific Gravity: 1.37
Density: 0.5 lb/ft²
Solubility: Not soluble in water
Partition Coefficient: N-Octanol/Water: No data available
Viscosity: No data available

9.2. Other Information: No additional information available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity: Hazardous reactions will not occur under normal conditions.
10.2. Chemical Stability: Stable under recommended handling and storage conditions (see section 7).
10.3. Possibility of Hazardous Reactions: Hazardous polymerization will not occur.
10.4. Conditions to Avoid: Direct sunlight, extremely high or low temperatures, and incompatible materials. Sparks, heat, open flame and other sources of ignition. Dust accumulation (to minimize explosion hazard).
10.5. Incompatible Materials: Strong acids, strong bases, strong oxidizers.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects
Acute Toxicity: Not classified

<table>
<thead>
<tr>
<th>Material</th>
<th>LD₅₀ Oral Rat</th>
<th>LD₅₀ Dermal Rat</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pitch, coal tar, high-temperature (65996-93-2)</td>
<td>&gt; 15000 mg/kg</td>
<td>&gt; 2000 mg/kg</td>
</tr>
<tr>
<td>Binder</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD₅₀ Oral Rat</td>
<td>&gt; 5000 mg/kg</td>
<td></td>
</tr>
<tr>
<td>LD₅₀ Dermal Rat</td>
<td>&gt; 5000 mg/kg</td>
<td></td>
</tr>
<tr>
<td>Process Aid 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD₅₀ Oral Rat</td>
<td>&gt; 21500 µl/kg</td>
<td></td>
</tr>
<tr>
<td>Activator</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD₅₀ Oral Rat</td>
<td>7340 mg/kg</td>
<td></td>
</tr>
<tr>
<td>Process Aid 2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LD₅₀ Oral Rat</td>
<td>3300 mg/kg</td>
<td></td>
</tr>
<tr>
<td>LD₅₀ Dermal Rabbit</td>
<td>3 ml/kg</td>
<td></td>
</tr>
<tr>
<td>LC₅₀ Inhalation Rat</td>
<td>&gt; 0.17 mg/l   (Exposure time: 6 h)</td>
<td></td>
</tr>
</tbody>
</table>

Skin Corrosion/Irritation: Not classified
Serious Eye Damage/Irritation: Not classified
Respiratory or Skin Sensitization: May cause an allergic skin reaction.
Germ Cell Mutagenicity: May cause genetic defects.
Carcinogenicity: May cause cancer.

Polymer
IARC group: 3

Pitch, coal tar, high-temperature (65996-93-2)
IARC group: 1
National Toxicology Program (NTP) Status: Known Human Carcinogens.
OSHA Hazard Communication Carcinogen List: In OSHA Hazard Communication Carcinogen list.

Binder
IARC group: 1
National Toxicology Program (NTP) Status: Known Human Carcinogens.
OSHA Hazard Communication Carcinogen List: In OSHA Hazard Communication Carcinogen list.
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<table>
<thead>
<tr>
<th>Process Aid 1</th>
<th>IARC group</th>
<th>2B</th>
</tr>
</thead>
<tbody>
<tr>
<td>OSHA Hazard Communication Carcinogen List</td>
<td>In OSHA Hazard Communication Carcinogen list.</td>
<td></td>
</tr>
</tbody>
</table>

**Reproductive Toxicity:** May damage fertility or the unborn child.

**Specific Target Organ Toxicity (Single Exposure):** Not classified

**Specific Target Organ Toxicity (Repeated Exposure):** Not classified

**Aspiration Hazard:** Not classified

**Symptoms/Injuries After Inhalation:** Dust may be harmful or cause irritation.

**Symptoms/Injuries After Skin Contact:** May cause an allergic skin reaction.

**Symptoms/Injuries After Eye Contact:** May cause slight irritation to eyes.

**Symptoms/Injuries After Ingestion:** Ingestion may cause adverse effects.

**Chronic Symptoms:** May cause genetic defects. May cause cancer. May damage fertility or the unborn child. Prolonged inhalation of fumes from thermal decomposition may have long-term adverse effects.

### SECTION 12: ECOLOGICAL INFORMATION

#### 12.1. Toxicity

**Ecology - General:** Not classified.

<table>
<thead>
<tr>
<th>Process Aid 1</th>
<th>LC50 Fish 1</th>
<th>&gt; 300 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>LC50 Fish 2</td>
<td>&gt; 0.0109 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])</td>
</tr>
<tr>
<td>Activator</td>
<td>LC50 Fish 1</td>
<td>50.6 mg/l</td>
</tr>
<tr>
<td></td>
<td>Process Aid 2</td>
<td>LC50 Fish 1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EC50 Daphnia 1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>LC50 Fish 2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>EC50 Daphnia 2</td>
</tr>
</tbody>
</table>

#### 12.2. Persistence and Degradability

**Marseal MEMBRANE**

**Persistence and Degradability:** Not established.

#### 12.3. Bioaccumulative Potential

**Marseal MEMBRANE**

**Bioaccumulative Potential:** Not established.

**Pitch, coal tar, high-temperature (65996-93-2)**

<table>
<thead>
<tr>
<th>BCF Fish 1</th>
<th>&lt; 0.13</th>
</tr>
</thead>
<tbody>
<tr>
<td>Log Pow</td>
<td>6.04</td>
</tr>
<tr>
<td>Process Aid 1</td>
<td>Log Pow</td>
</tr>
<tr>
<td>Activator BCF Fish 1</td>
<td>(no bioaccumulation)</td>
</tr>
<tr>
<td>Process Aid 2</td>
<td>BCF Fish 1</td>
</tr>
<tr>
<td></td>
<td>Log Pow</td>
</tr>
</tbody>
</table>

#### 12.4. Mobility in Soil

No additional information available.

#### 12.5. Other Adverse Effects

**Other Information:** Avoid release to the environment.

### SECTION 13: DISPOSAL CONSIDERATIONS

#### 13.1. Waste Treatment Methods

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

**Additional Information:** Container may remain hazardous when empty. Continue to observe all precautions.

**Ecology - Waste Materials:** Avoid release to the environment.
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### SECTION 14: TRANSPORT INFORMATION

**14.1. In Accordance with DOT**  
Not regulated for transport.

**14.2. In Accordance with IMDG**  
Not regulated for transport.

**14.3. In Accordance with IATA**  
Not regulated for transport.

### SECTION 15: REGULATORY INFORMATION

#### 15.1 US Federal Regulations

<table>
<thead>
<tr>
<th>Substance</th>
<th>SARA Section 311/312 Hazard Classes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marseal MEMBRANE</td>
<td>Immediate (acute) health hazard</td>
</tr>
<tr>
<td></td>
<td>Delayed (chronic) health hazard</td>
</tr>
<tr>
<td></td>
<td>Fire hazard</td>
</tr>
<tr>
<td></td>
<td>Sudden release of pressure hazard</td>
</tr>
</tbody>
</table>

- **Polymer**
  - Listed on the United States TSCA (Toxic Substances Control Act) inventory
- **Pitch, coal tar, high-temperature (65996-93-2)**
  - Listed on the United States TSCA (Toxic Substances Control Act) inventory
- **Filler**
  - Listed on the United States TSCA (Toxic Substances Control Act) inventory
- **Binder**
  - Listed on the United States TSCA (Toxic Substances Control Act) inventory
- **Process Aid 1**
  - Listed on the United States TSCA (Toxic Substances Control Act) inventory
- **Activator**
  - Listed on the United States TSCA (Toxic Substances Control Act) inventory
- **Process Aid 2**
  - Listed on the United States TSCA (Toxic Substances Control Act) inventory
  - Subject to reporting requirements of United States SARA Section 313

<table>
<thead>
<tr>
<th>EPA TSCA Regulatory Flag</th>
<th>T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA</th>
</tr>
</thead>
<tbody>
<tr>
<td>SARA Section 313 - Emission Reporting</td>
<td>1.0 %</td>
</tr>
</tbody>
</table>

#### 15.2 US State Regulations

<table>
<thead>
<tr>
<th>Substance</th>
<th>U.S. - California - Proposition 65 - Carcinogens List</th>
<th>U.S. - California - Proposition 65 - Reproductive Toxicity - Female</th>
</tr>
</thead>
<tbody>
<tr>
<td>Binder</td>
<td>WARNING: This product contains chemicals known to the State of California to cause cancer.</td>
<td>WARNING: This product contains chemicals known to the State of California to cause (Female) reproductive harm.</td>
</tr>
<tr>
<td>Process Aid 2</td>
<td>U.S. - California - Proposition 65 - Reproductive Toxicity - Female</td>
<td>WARNING: This product contains chemicals known to the State of California to cause (Female) reproductive harm.</td>
</tr>
<tr>
<td>Polymer</td>
<td>U.S. - New Jersey - Right to Know Hazardous Substance List</td>
<td></td>
</tr>
<tr>
<td>Pitch, coal tar, high-temperature (65996-93-2)</td>
<td>U.S. - Massachusetts - Right To Know List</td>
<td></td>
</tr>
<tr>
<td></td>
<td>U.S. - New Jersey - Right to Know Hazardous Substance List</td>
<td></td>
</tr>
<tr>
<td></td>
<td>U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances</td>
<td></td>
</tr>
<tr>
<td></td>
<td>U.S. - Pennsylvania - RTK (Right to Know) List</td>
<td></td>
</tr>
<tr>
<td>Filler</td>
<td>U.S. - Massachusetts - Right To Know List</td>
<td></td>
</tr>
<tr>
<td></td>
<td>U.S. - New Jersey - Right to Know Hazardous Substance List</td>
<td></td>
</tr>
<tr>
<td></td>
<td>U.S. - Pennsylvania - RTK (Right to Know) List</td>
<td></td>
</tr>
<tr>
<td>Binder</td>
<td>U.S. - Massachusetts - Right To Know List</td>
<td></td>
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<tr>
<td></td>
<td>U.S. - New Jersey - Right to Know Hazardous Substance List</td>
<td></td>
</tr>
<tr>
<td></td>
<td>U.S. - Pennsylvania - RTK (Right to Know) List</td>
<td></td>
</tr>
<tr>
<td>Process Aid 1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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U.S. - Massachusetts - Right To Know List

Activator

U.S. - Massachusetts - Right To Know List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List

Process Aid 2

U.S. - Massachusetts - Right To Know List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision Date : 06/10/2016
Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200

GHS Full Text Phrases:

<table>
<thead>
<tr>
<th>Carc. 1A</th>
<th>Carcinogenicity Category 1A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Muta. 1B</td>
<td>Germ cell mutagenicity Category 1B</td>
</tr>
<tr>
<td>Repr. 1B</td>
<td>Reproductive toxicity Category 1B</td>
</tr>
<tr>
<td>Skin Sens. 1</td>
<td>Skin sensitization Category 1</td>
</tr>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction</td>
</tr>
<tr>
<td>H340</td>
<td>May cause genetic defects</td>
</tr>
<tr>
<td>H350</td>
<td>May cause cancer</td>
</tr>
<tr>
<td>H360</td>
<td>May damage fertility or the unborn child</td>
</tr>
</tbody>
</table>

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.

SDS US (GHS HazCom)