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

1.1. Product identifier
Product form : Mixture
Product name : Applies to Mytex grades that begin with any of the following descriptors: AC; AH; AN; AS; AX; B; C; DURAFLEX; DYNAFLOW; EE; EF; EL; ELM; G; M; METAF ORM; MYTEX; NBX; SF; SH; T; US; W

1.2. Relevant identified uses of the substance or mixture and uses advised against
Use of the substance/mixture : Multiple Industrial Applications

1.3. Details of the supplier of the safety data sheet
Mytex Polymers
1403 Port Road
Jeffersonville, IN 47130
Phone: 866-288-2300
Fax: 812-280-2904

1.4. Emergency telephone number
Emergency number : 866-288-2300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
Classification (GHS-US)
Combustible Dust H232
Full text of H-phrases: see section 16

2.2. Label elements
GHS-US labeling
Signal word (GHS-US) : Warning
Hazard statements (GHS-US) : If small particles are generated during further processing or handling of pellets, product may form combustible dust concentrations in air.
Precautionary statements (GHS-US) : Not applicable

2.3. Other hazards
Spilled pellets may create a slipping hazard. Molten polymer can cause thermal burns to eyes and skin. Processing the polymer at high temperatures may form vapors that irritate the eyes and respiratory tract.

2.4. Unknown acute toxicity (GHS-US)
Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substance
Not applicable - the product is a mixture

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>Carbon black</td>
<td>(CAS No) 1333-86-4</td>
<td>0 – 3*</td>
<td>Carc. 2, H351</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>(CAS No) 13463-67-7</td>
<td>0 – 1*</td>
<td>Carc. 2, H351</td>
</tr>
<tr>
<td>Crystalline Silica (Quartz)</td>
<td>(CAS No) 14808-60-7</td>
<td>0-0.3*</td>
<td>Acute Tox. 4 (Oral), H302 Ccarc. 1A, H350</td>
</tr>
</tbody>
</table>

*The exact concentration will vary by product

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.
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If necessary seek medical advice.
First-aid measures after skin contact: Wash with plenty of soap and water. For serious burns from heated material, get immediate medical attention. In case of skin contact with hot material, immerse in or flush with clean, cold water. Do not attempt to remove adhered material from skin.

First-aid measures after eye contact: Rinse eyes with plenty of water. Obtain medical attention if irritation persists. In case of eye contact with hot material, cool with plenty of water and obtain immediate medical attention.

First-aid measures after ingestion: Rinse mouth with water; do NOT induce vomiting. Obtain medical assistance.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation: Nuisance dusts may be irritating to respiratory tract. Irritating vapors may form when the polymer pellets are processed at high temperatures.

Symptoms/injuries after skin contact: Contact of heated material with skin may cause serious thermal burns.

Symptoms/injuries after eye contact: Nuisance dusts may cause eye irritation. Contact of heated material with eyes may cause serious thermal burns.

Symptoms/injuries after ingestion: Ingestion of small amounts of product are not expected to present a hazard.

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: Dry chemical; Carbon dioxide; Foam; Sand; Water spray.

Unsuitable extinguishing media: Do not use a solid water stream as it may scatter and spread the fire.

5.2. Special hazards arising from the substance or mixture

Fire hazard: Processing and handling of the product may form combustible dust concentrations in air.

Explosion hazard: Potential dust explosion hazard. When dust becomes airborne and is exposed to an ignition source, sufficient combustible dust may exist to burn in open areas or explode in confined spaces.

5.3. Advice for firefighters

Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protection during firefighting: Do not enter fire area without proper protective equipment, including self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures: Material creates a slipping hazard on hard surfaces. Clean up spills from walking surfaces immediately.

6.1.2. For emergency responders

Protective equipment: Equip cleanup crew with proper protection.

Emergency procedures: Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if material enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: On land, sweep or shovel into suitable containers. Do not allow water contaminated with pellets or powder to enter any waterway, sewer or drain.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling: Ensure good ventilation of the work station. Wear personal protective equipment as needed. Do not overheat the product. Avoid contact with heated product. Where possibility of combustible dust exists, use proper bonding and grounding procedures. Use only non-sparking tools. Do not eat, drink or smoke when using this product. Wash hands and other exposed areas after handling product.
7.2. Conditions for safe storage, including any incompatibilities

- **Storage conditions**: Store at room temperature away from heat and direct sunlight in a well-ventilated area. Keep container closed when not in use.
- **Incompatible materials**: Sources of ignition.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Carbon black (1333-86-4)</th>
<th>ACGIH TWA (mg/m³)</th>
<th>3 mg/m³ (inhalable fraction)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>OSHA PEL (TWA) (mg/m³)</td>
<td>3.5 mg/m³</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Titanium dioxide (13463-67-7)</th>
<th>ACGIH TWA (mg/m³)</th>
<th>10 mg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>OSHA PEL (TWA) (mg/m³)</td>
<td>15 mg/m³ (total dust)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Crystalline Silica (Quartz) (14808-60-7)</th>
<th>ACGIH TWA (mg/m³)</th>
<th>0.025 mg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>OSHA PEL (TWA) (mg/m³)</td>
<td>.10 mg/m³ (%SiO₂ + 2)</td>
</tr>
</tbody>
</table>

8.2. Exposure controls

- **Appropriate engineering controls**: Local exhaust ventilation should be provided to ensure exposures to dust or fumes is minimized.
- **Hand protection**: Insulated gloves should be used when handling hot material.
- **Eye protection**: Safety glasses.
- **Respiratory protection**: Not typically required; if airborne concentrations exceed recommended exposure limits use a NIOSH-approved respirator.
- **Other information**: Do not eat, drink or smoke while using this product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- **Physical state**: Solid
- **Appearance**: Pellets
- **Color**: Various Colors
- **Odor**: Odorless
- **Odor threshold**: No data available
- **pH**: No data available
- **Melting point**: 155°C to 175°C
- **Freezing point**: No data available
- **Boiling point**: No data available
- **Flash point**: No data available
- **Relative evaporation rate (butyl acetate=1)**: No data available
- **Flammability (solid, gas)**: No data available
- **Explosion limits**: No data available
- **Explosive properties**: No data available
- **Oxidizing properties**: No data available
- **Vapor pressure**: No data available
- **Relative density**: 0.80 to 1.30
- **Relative vapor density at 20 °C**: No data available
- **Solubility**: Negligible in water
- **Log Pow**: No data available
- **Log Kow**: No data available
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Auto-ignition temperature : No data available
Decomposition temperature : No data available
Viscosity : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : 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
The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions
Dust may form explosive mixture in air.

10.4. Conditions to avoid

10.5. Incompatible materials
None known.

10.6. Hazardous decomposition products
Toxic fumes. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Titanium dioxide (13463-67-7)
LD50 oral rat : > 10000 mg/kg

Crystalline Silica (Quartz) (14808-60-7)
LD50 oral rat : 500 mg/kg

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified

Carbon black and Titanium dioxide are both designated by IARC as Group 2B carcinogens (possibly carcinogenic to humans). Crystalline silica is designated by IARC as a Group 1 carcinogen (Carcinogenic to Humans) and by NTP as a Class 2 carcinogen (Known Human Carcinogen.). However these classifications are based on exposure to respirable particles; these chemicals are encapsulated in a polymer matrix in this product so that inhalation is not a probable route of exposure.

Carbon black (1333-86-4)
IARC group : 2B - Possibly carcinogenic to humans

Titanium dioxide (13463-67-7)
IARC group : 2B - Possibly carcinogenic to humans

Crystalline Silica (Quartz) (14808-60-7)
IARC group : 1 - Carcinogenic to Humans
National Toxicology Program (NTP) Status : 2 - Known Human Carcinogens
Reproductive toxicity : Not classified
Specific target organ toxicity (single exposure) : Not classified
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Specific target organ toxicity (repeated exposure) : Not classified
Aspiration hazard : Not classified
Potential Adverse human health effects and symptoms : No additional information available

SECTION 12: Ecological information
12.1. Toxicity
No additional information available

Polymer Products
Persistence and degradability  This product is persistent in the environment and not readily biodegradable.

12.3. Bioaccumulative potential
Polymer Products
Bioaccumulative potential  This product is not expected to bioaccumulate through food chains in the environment.

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 in a safe manner in accordance with local, state and federal regulations.

SECTION 14: Transport information
Not regulated for transport

SECTION 15: Regulatory information
15.1. US Federal regulations
Product
SARA Section 311/312 Hazard Classes  None, as supplied  Any dust formed during processing would be considered a fire hazard.

15.2. International regulations
CANADA
Carbon black (1333-86-4)
Listed on the Canadian DSL (Domestic Substances List)
WHMIS Classification  Class D Division 2 Subdivision A - Very toxic material causing other toxic effects

Titanium dioxide (13463-67-7)
Listed on the Canadian DSL (Domestic Substances List)
WHMIS Classification  Class D Division 2 Subdivision A - Very toxic material causing other toxic effects

Crystalline Silica (Quartz) (14808-60-7)
Listed on the Canadian DSL (Domestic Substances List) inventory.
WHMIS Classification  Class D Division 2 Subdivision A - Very toxic material causing other toxic effects
### EU-Regulations

<table>
<thead>
<tr>
<th>Substance</th>
<th>Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)</th>
<th>Listed on ELINCS (European List of Notified Chemical Substances)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon black (1333-86-4)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Titanium dioxide (13463-67-7)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Crystalline Silica (Quartz) (14808-60-7)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### National regulations

<table>
<thead>
<tr>
<th>Substance</th>
<th>Listed on the AICS (Australian Inventory of Chemical Substances)</th>
<th>Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)</th>
<th>Listed on the Japanese ENCS (Existing &amp; New Chemical Substances) inventory</th>
<th>Listed on the Korean ECL (Existing Chemicals List)</th>
<th>Listed on NZIoC (New Zealand Inventory of Chemicals)</th>
<th>Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)</th>
<th>Listed on the Canadian IDL (Ingredient Disclosure List)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon black (1333-86-4)</td>
<td></td>
<td></td>
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<td></td>
</tr>
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<td>Titanium dioxide (13463-67-7)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Quartz (14808-60-7)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### US State regulations

<table>
<thead>
<tr>
<th>Substance</th>
<th>U.S. - California - Proposition 65 - Carcinogens List</th>
<th>U.S. - California - Proposition 65 - Developmental Toxicity</th>
<th>U.S. - California - Prop. 65 - Reproductive Toxicity - Female</th>
<th>U.S. - California - Prop. 65 - Reproductive Toxicity - Male</th>
<th>No significance risk level (NSRL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carbon black (1333-86-4)</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Titanium dioxide (13463-67-7)</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>Quartz (14808-60-7)</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td></td>
</tr>
</tbody>
</table>
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SECTION 16: Other information

Other information : None.

Full text of H-phrases:

<table>
<thead>
<tr>
<th>Carc. 2</th>
<th>Carcinogenicity Category 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Comb. Dust</td>
<td>Combustible Dust</td>
</tr>
<tr>
<td>Acute Tox. 4 (Oral)</td>
<td>Acute toxicity (oral) Category 4</td>
</tr>
<tr>
<td>Carc. 1A</td>
<td>Carcinogenicity Category 1A</td>
</tr>
<tr>
<td>H232</td>
<td>May form combustible dust concentrations in air</td>
</tr>
<tr>
<td>H302</td>
<td>Harmful if swallowed</td>
</tr>
<tr>
<td>H350</td>
<td>May cause cancer</td>
</tr>
<tr>
<td>H351</td>
<td>Suspected of causing cancer</td>
</tr>
</tbody>
</table>

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.