1. Identification of the Substance/Preparation and the Company Undertaking

GHS Product Identifier

Product Name
PM-24, PM-16, PM-19, PM-05, PM-23, All colors

Other Means of Identification

Part Number

<table>
<thead>
<tr>
<th>Colors</th>
<th>Black</th>
<th>Blue</th>
<th>Brown</th>
<th>Gold</th>
<th>Green</th>
<th>Light blue</th>
<th>Light green</th>
<th>Orange</th>
<th>Purple</th>
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<td>01123</td>
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<table>
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<th>Violet</th>
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<tbody>
<tr>
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<td>01424</td>
<td>02924</td>
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<td>PM-16</td>
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<td>PM-19</td>
<td>01319</td>
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<td>PM-05</td>
<td>05013</td>
<td>05014</td>
<td>02905</td>
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<tr>
<td>PM-23</td>
<td>01323</td>
<td>01423</td>
<td>02923</td>
</tr>
</tbody>
</table>

Formula Code

Synonyms
none

Recommended use of the chemical and restrictions on use

Recommended Use
Marker

Uses Advised Against
No information available

Supplier's Details

Supplier Address
Arro-Mark LLC.
158 West Forest Ave
Englewood, New Jersey, 07631 USA
Phone: (201) 567-4112

Emergency Telephone Number

Chemtrec US 800-424-9300 International 703-527-3887
2. HAZARD IDENTIFICATION

**Classification**
This chemical is considered hazardous according to the OSHA Hazard Communications Standard 2012 (29 CFR 1910.1200)
- Flammable Liquid Category 3
- Skin Corrosion/Irritation Category 2
- Serious eye damage/Eye Irritation Category 2A
- Acute Toxicity Inhalation Category 4
- Acute Toxicity Skin Category 4
- Aspiration Hazard Category 1
- Carcinogenicity Inhalation Category 2
- Specific target Organ Toxicity (single Exposure) respiratory tract irritation Category 3
- Specific target Organ Toxicity (repeated Exposure) Inhalation Category 2

**GHS Label Elements, including precautionary statements**

**Signal Word** - Danger
- Causes skin irritation.
- Causes serious eye irritation.
- May cause respiratory irritation.
- Harmful if inhaled.
- Harmful in contact with skin.
- May be fatal if swallowed and enters airways.
- May cause damage to organs through prolonged or repeated exposure by inhalation.
- Suspected of causing cancer if inhaled.
- Flammable liquid and vapor.

![Danger symbol](image)

**Appearance** – Opaque, varies
**Physical state** - Thin viscosity liquid
**Odor** – Aromatic Odor

**Precautionary Statements Prevention**
- Do not handle until all safety precautions have been read and understood
- Obtain special instructions before use
- Keep container tightly closed
- Use only in a well ventilated area
- Do not breathe dust/vapors/fumes
- Wash face and hands and any exposed skin thoroughly after handling
- Wear protective gloves/clothing/eye protection/face protection
- Keep away from heat/sparks/flame hot surfaces – no smoking
- Use explosion proof electrical/ventilating/lighting equipment
- Ground/bond container and receiving equipment.
- Use non sparking tools
Take precautionary measures against static discharge

Response:
If exposed or concerned: get medical attention/advice.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention.
If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell.
If swallowed: Immediately call a poison center/doctor. Do not induce vomiting. In case of fire: Use CO2, dry chemical, foam or water spray to extinguish.

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

Disposal
Dispose of contents/container in approved waste disposal plant.

General Advice
If exposed or concerned: get medical attention/advice

ACUTE HAZARD: At high concentration, dizziness and unconsciousness may occur.
CAUTION: Contains xylene. Harmful or fatal if swallowed. Avoid inhalation. Direct contact may cause skin or eye irritation.
KEEP OUT OF REACH OF CHILDREN.

Fire
Use CO2, dry chemical, foam, or water spray

Spills and Leaks
Contain and collect spillage

Hazard not Otherwise Classified (HNOC)
Not applicable

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight %</th>
<th>Trade Secret</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xylene</td>
<td>1330-20-7</td>
<td>10-40</td>
<td>*</td>
</tr>
<tr>
<td>Titanium Dioxide</td>
<td>13463-67-7</td>
<td>10-40</td>
<td>*</td>
</tr>
<tr>
<td>Ethyl Benzene</td>
<td>100-41-4</td>
<td>1-5</td>
<td>*</td>
</tr>
<tr>
<td>Resin</td>
<td>proprietary</td>
<td>5-40</td>
<td>*</td>
</tr>
<tr>
<td>Colorant</td>
<td>proprietary</td>
<td>1-10</td>
<td>*</td>
</tr>
</tbody>
</table>

* The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

**Description of necessary first-aid measures**

**General Advice**
In case of doubt, or when symptoms persist, seek medical attention.

**Eye Contact**
Immediately flush eyes with plenty of water for at least fifteen (15) minutes.
Get medical attention immediately.

**Skin Contact**
Flush skin with plenty of water. Remove contaminated clothing.
Was skin thoroughly with soap and water or use a proprietary skin cleanser.

**Inhalation:** Remove to fresh air, keep patient warm and at rest. If breathing is irregular seek medical advice. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention immediately.

**Ingestion** Seek medical attention immediately. Do not induce vomiting. Never give anything by mouth to an unconscious person.

**Protection of First Aiders** Use personal protection equipment.

**Most important symptoms/effects, acute and delayed**

**Most important symptoms/effects** No information available

**Indication of immediate medical attention and special treatment needed, if necessary**

**Note to physician** Treat symptomatically

---

### 5. FIRE-FIGHTING MEASURES

**Flash Point** - 86 °F

**Suitable Extinguishing Media**
Dry chemical, carbon dioxide, regular foam. For large fires, use foam or flood with fine waterspray

**Unsuitable extinguishing media** No information available

**Specific Hazards arising from the chemical** No information available

**Protective Equipment and Precautions for Firefighters**
Wear appropriate self-contained breathing apparatus MSHA/NIOSH (approved or equivalent) and full protective gear. Cool closed containers exposed to fire with water spray. Avoid inhalation of material or combustion by-products; stay upwind.

---

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

**Personal Precautions** Avoid breathing vapours. Evacuate personnel to safe areas. Ensure adequate ventilation.

**Environmental Precautions** Avoid release into the environment. Do not allow to enter drains or watercourses.

**Methods and materials for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up** Contain the spillage with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth to soak up the product and place in a suitable container for disposal in accordance with the waste regulations

---

### 7. HANDLING AND STORAGE

Page 4.
**Precautions for safe handling**

**Handling**
Avoid skin and eye contact. Avoid the inhalation of vapor and mist.

**Conditions for safe storage, including any incompatibilities**

**Storage**

**Incompatible products**
Unknown

---

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control Parameters**

**Exposure Guidelines**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
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</thead>
<tbody>
<tr>
<td>Titanium Dioxide 13463-67-7</td>
<td>TWA 10 mg/m³</td>
<td>TWA 15 mg/m³ total dust</td>
<td>IDHL 5000 mg.m³</td>
</tr>
<tr>
<td></td>
<td>STEL 150 ppm</td>
<td>Vacated TWA 5 mg/m³ total dust</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWL 100 ppm</td>
<td>Vacated TWA 100 ppm</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Vacated TWA 435 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Xylene 1330-20-7</td>
<td>TWA 100 ppm</td>
<td>TWA 100 ppm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>STEL 150 ppm</td>
<td>Vacated TWA 100 ppm</td>
<td></td>
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<tr>
<td></td>
<td>TWL 100 ppm</td>
<td>Vacated TWA 435 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Ethyl Benzene</td>
<td>TWA 20 ppm</td>
<td>TWA 100 ppm</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>TA 435 mg/m³</td>
<td></td>
</tr>
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</table>

**Appropriate engineering controls**

**Engineering Measures**
Showers, eyewash stations, ventilation systems

**Individual protection measures, such as personal protective equipment**

**Eye/Face protection**
None under normal use conditions

**Skin and body Protection**
None under normal use conditions

**Respiratory Protection**
None under normal use conditions. If irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn

**Hygiene Measures**
Use in a well-ventilated area. When using do not eat, drink, or smoke. Provide regular cleaning of equipment, work areas and clothing.
9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Liquid</td>
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<tr>
<td>Appearance</td>
<td>Varies</td>
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<tr>
<td>Flammability Limits</td>
<td>No data</td>
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<tr>
<td>Odor</td>
<td>Solvent/Aromatic odor</td>
</tr>
<tr>
<td>Vapor Pressure (mm-Hg @70F)</td>
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<tr>
<td>Odor threshold</td>
<td>No data</td>
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<tr>
<td>Vapor Density (Air = 1)</td>
<td>Greater than 1</td>
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<tr>
<td>Specific Gravity (H2O=1 @70F)</td>
<td>&gt;1</td>
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<tr>
<td>pH</td>
<td>No data</td>
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<tr>
<td>Vapor Pressure</td>
<td>No data</td>
</tr>
<tr>
<td>Melting Point</td>
<td>No data</td>
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<tr>
<td>Boiling Point</td>
<td>282°F 138.9°C</td>
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<tr>
<td>Solubility</td>
<td>Insoluble in water</td>
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<tr>
<td>Flash Point</td>
<td>86°F 30°C</td>
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<tr>
<td>Evaporation Rate</td>
<td>Less than one (1)</td>
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<tr>
<td>Flammability</td>
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<tr>
<td>Auto-Ignition Temperature</td>
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<tr>
<td>Decomposition Temperature</td>
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<tr>
<td>Viscosity</td>
<td>No data</td>
</tr>
<tr>
<td>Appearance and odor</td>
<td>Opaque, thin viscosity liquid.</td>
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Volatile Organic Compound:

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<tr>
<th>VOC</th>
<th>Black</th>
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<th>Gold</th>
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<tr>
<td>% by Weight</td>
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<td>56.04</td>
<td>40.12</td>
<td>68</td>
<td>58.81</td>
<td>51</td>
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<tr>
<td>PPG</td>
<td>5.31</td>
<td>5.40</td>
<td>3.92</td>
<td>6.35</td>
<td>5.59</td>
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<td>5.49</td>
<td>5.62</td>
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<tr>
<td>g/L</td>
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<td>470.2</td>
<td>761.1</td>
<td>666.6</td>
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<td>657.8</td>
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<table>
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<tr>
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<th>White</th>
<th>Yellow</th>
<th>Violet</th>
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<tbody>
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<td>PPG</td>
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<td>5.71</td>
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<tr>
<td>g/L</td>
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<td>684.1</td>
<td>637.4</td>
<td>702.1</td>
<td>536.21</td>
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</tbody>
</table>

10. STABILITY AND REACTIVITY

Reactivity                        | No data available                           |
Chemical Stability                | Stable under normal storage and handling conditions |
Possibility of Hazardous reactions | None under normal use                        |
Hazardous Polymerization          | Will not occur                               |
Conditions to Avoid               | Heat, open flame, sparks, and sources of ignition |
Incompatible Materials            | Strong oxidizing and reducing agents, strong alkalis and strong acids |
Hazardous Decomposition -products | Carbon dioxide, carbon monoxide, smoke, soot and various oxidation by-products. |

Page 6.
11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

**Product Information** There is no data available on the product itself.

<table>
<thead>
<tr>
<th>Chemical</th>
<th>LD50 oral</th>
<th>LD50 Dermal</th>
<th>LD50 Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xylene</td>
<td>3500 mg/kg rat</td>
<td>4350 mg/kg rabbit</td>
<td>29.08 mg/l rat</td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>1000 mg/kg rat</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

12. ECOLOGICAL INFORMATION

**Ecotoxicity** There is no data available on the product itself.

13. DISPOSAL CONSIDERATIONS

**Waste Disposal Methods** Dispose of in accordance with all applicable local, state and federal regulations.

**Contaminated Packaging** Do not re-use empty containers.

14. TRANSPORT INFORMATION

**Domestic Highway (Containers <1 Quart are ORM-D) Proper Shipping Name:**

Consumer Commodity: 

**Hazard Class/Subsidiary:** ORM-D

**UN/NA No.:** None

**Packing Group:** None

**Label Required:** ORM-D

15. REGULATORY INFORMATION

**TSCA INVENTORY:** The product on this SDS is not listed on the Toxic Substances Control Act Inventory. All ingredients used to manufacture this product are listed on the TSCA Inventory.

**US Regulatory Rules:**

Section 313 or Title III of SARA. This product contains a chemical which is subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations Part 372.

Titanium Dioxide 13463-67-7
Xylene 1330-20-7
Ethyl Benzene 100-41-4

**SARA 311-312**

Hazard categories
Acute Health Hazard YES
Chronic Health Hazard YES
Fire Hazard YES
Sudden release of Pressure Hazard NO
Reactive Hazard NO

**State Regulation**

This product contains the following Proposition 65 Chemicals: Ethyl Benzene, Reproductive

**The following ingredients are cited on the lists below:**

Ethyl benzene – ACGIH ALL, OSHA Z, CA Prop 65, IL RTK, MN RTK, NJ RTK, PA RTK, RI RTK
Mixed Xylenes – ACGIH ALL, OSHA Z, IL RTK, MI RTK, MN RTK, NJ RTK, PA RTK, RI RTK

16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>Health Hazard 2</th>
<th>Flammability 3</th>
<th>Reactivity 0</th>
<th>Personal Protection</th>
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<tbody>
<tr>
<td>B</td>
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End of Safety Data Sheet