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**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**

Colors	Black	Blue	Brown	Gold	Green	Light blue	Light green	Orange	Purple	Pink	Red	Silver
PM-24	00124	00224	00324	00424	00524	00624	00724	00824	00924	01024	01124	01224
PM-16	00116	00216	00316	00416	00516	00616	00716	00816	00916	01016	01116	01216
PM-19	00119	00216	00319	00419	00519	00619	00719	00819	00919	01019	01119	01219
PM-05	00501	00502	00503	00504	00505	00506	00507	00508	00509	00510	00511	00512
PM-23	00123	00223	00323	00423	00523	00623	00723	00823	00923	01023	01123	01223

Colors	White	Yellow	Violet
PM-24	01324	01424	02924
PM-16	01316	01416	02916
PM-19	01319	01419	02919
PM-05	05013	05014	02905
PM-23	01323	01423	02923

**Formula Code** Black: XV-585, Blue: XV-11753, Brown: XV-12578, Gold: XV-654, Green: XV-11724, Light Blue: XV-11802, Light Green: XV-478, Orange: XV-12491, Purple: XV-671, Pink: XV-12081, Red: XV-543, Silver: XV-642, White: XV-11719, Yellow: XV-11619, Violet: XV-12574**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 4

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.



**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 CO<sub>2</sub>, 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 CO<sub>2</sub>, 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**

Chemical Name	CAS -No	Weight %	Trade Secret
Xylene	1330-20-7	10-40	*
Titanium Dioxide	13463-67-7	10-40	*
Ethyl Benzene	100-41-4	1-5	*
Resin	proprietary	5-40	*
Colorant	proprietary	1-10	*

\* The exact percentage (concentration) of composition has been withheld as a tradeseecret.

**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 water spray

**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**

**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** Keep away for open flame, hot surfaces and sources of ignition. Keep containers tightly closed. Observe label precautions. Store between 5-25° C in a dry, well ventilated place. Prevent unauthorized access.

**Incompatible products** Unknown

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control Parameters**

**Exposure Guidelines**

<b>Chemical Name</b>	<b>ACGIH TLV</b>	<b>OSHA PEL</b>	<b>NIOSH IDLH</b>
Titanium Dioxide 13463-67-7	TWA 10 mg/m3	TWA 15 mg/m3 total dust Vacated TWA 5 mg/m3 total dust	IDHL 5000 mg.m3
Xylene 1330-20-7	STEL 150 ppm TWL 100 ppm	TWA 100 ppm TWA 435mg/m3 Vacated TWA 100 ppm Vacated TWA 435 mg/m3 Vacated STEL 150 ppm Vacated STEL 655 mg/m3	-
Ethyl Benzene	TWA 20 ppm	TWA 100 ppm TA 435 mg/m <sup>3</sup>	

**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

<u>Property</u>	<u>Value</u>
Physical State	Liquid
Appearance	Varies
Flammability Limits	No data
Odor	Solvent/Aromatic odor
Vapor Pressure (mm-Hg @70F)	No data
Odor threshold	No data
Vapor Density (Air = 1)	Greater than 1
Specific Gravity (H <sub>2</sub> O=1 @70F)	>1
pH	No data
Vapor Pressure	No data
Melting Point	No data
Boiling Point	282°F 138.9°C
Solubility	Insoluble in water
Flash Point	86°F 30°C
Evaporation Rate	Less than one (1)
Flammability	No data
Auto-Ignition Temperature	No data
Decomposition Temperature	No data
Viscosity	No data
Appearance and odor	Opaque, thin viscosity liquid.

#### Volatile Organic Compound:

VOC	Black	Blue	Brown	Gold	Green	Light blue	Light green	Orange	Purple	Pink
% by Weight	65.59	56.04	40.12	68	58.81	51	57.2	58.9	54.1	55.71
PPG	5.31	5.40	3.92	6.35	5.59	5.32	5.49	5.62	5.24	5.17
g/L	636.61	647.38	470.2	761.1	666.6	637.4	657.8	673.0	627.5	619.5

VOC	Red	Silver	White	Yellow	Violet
% by Weight	66.65	73.19	51	57.59	48.64
PPG	5.28	5.71	5.32	5.99	4.47
g/L	632.5	684.1	637.4	702.1	536.21

## 10. STABILITY AND REACTIVITY

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

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

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

Chemical	LD50 oral	LD50 Dermal	LD50 Inhalation
Xylene	3500 mg/kg rat	4350 mg/kg rabbit	29.08 mg/l rat
Titanium dioxide	1000 mg/kg rat	-	-

## 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 N O

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

<b>16. OTHER INFORMATION</b>
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Health Hazard 2  
B

Flammability 3

Reactivity 0

Personal Protection

**End of Safety Data Sheet**