

**Section 1 Identification**

**Product identifiers**

Product names: Mia Color Paste – White

**Relevant identified uses**

Pigment for polyesters – For industrial use

**Details of the supplier of the safety data sheet**

Freeman Manufacturing and Supply Company  
1101 Moore Road, Avon, OH 44011  
Phone (440) 934-1902  
FAX (440) 934-7200

**24 Hour Emergency Phone Number: (800) 424-9300 CHEMTREC**

**Section 2 Hazards Identification**

**GHS Classification in accordance with 29 CFR 1910.1200 (OSHA HCS)**

Skin Irritant, Category 2  
Carcinogenicity, Category 2

**GHS Label elements, including precautionary statements**



Signal word                      Warning

**Hazard statements**

Causes skin irritation  
Suspected of causing cancer

**Precautionary statements**

**Prevention**

Obtain special instructions before use.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Use personal protective equipment as required.

**Response**

If exposed or concerned: Get medical advice/attention.

**Storage**

Store in a well-ventilated place. Keep cool. Protect from sunlight.

**Disposal**

Dispose of contents and container to an appropriate waste site in accordance with local and national regulations.

**Section 3 Composition/Information on Ingredients**

Ingredient Name	CAS Number	Weight %
Titanium dioxide	13463-67-7	55 - 60
Styrene monomer	100-42-5	0.5 - 2

**Section 4 First Aid Measures**

**Description of first aid measures**

**If inhaled**

Move person into fresh air. Get medical attention.

**In case of skin contact**

Wash off with soap and plenty of water. If irritation persists, get medical assistance.

**In case of eye contact**

Flush eyes thoroughly with water. Get medical attention.

**If swallowed**

Rinse mouth with water. Consult a physician.

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

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: (nausea, vomiting, diarrhea), irritation (nose, throat, airways), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness) and other central nervous system effects, loss of coordination, confusion, liver damage.

**Indication of any immediate medical attention and special treatment needed**

No data available.

**Section 5 Fire-Fighting Measures**

**Extinguishing media**

Suitable extinguishing media: Water fog, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media: Do not use heavy water stream.

**Special hazards arising from the substance or mixture**

On combustion, styrene releases carbon, carbon monoxide and carbon dioxide.

**Advice for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

**Further information**

No data available.

**Section 6 Accidental Release Measures**

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

Remove all sources of ignition (flames, hot surfaces and electrical, static, or friction sparks).

Ventilate area. Use only non-sparking tools. Contaminated absorbent or used absorbent may heat and ignite a fire. Keep it outside and put some water in the container.

**Environmental precautions**

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers

**Section 6 Accidental Release Measures** continued

**Methods and material for containment and cleaning up**

Use non-sparking tools and equipment. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations.

**Section 7 Handling and Storage**

**Precautions for safe handling**

Use normal precautions when handling flammable materials. Do not breathe fumes or vapor. Do not allow material to contact skin. Provide appropriate exhaust ventilation.

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

Do not store above 100°F (37.8°C). Containers should be grounded when pouring. Wash hands after using and before smoking or eating. Emptied containers may retain hazardous residue and explosive vapors. Keep away from heat, sparks and flames. Do not cut, puncture or weld on or near empty containers. Use explosion proof electrical equipment. Follow all hazard precautions given in this data sheet until container is thoroughly cleaned or destroyed. Do not mix residues of this product with any other petroleum wastes.

**Section 8 Exposure Controls/Personal Protection**

**Components with workplace control parameters**

Ingredient	OSHA		ACGIH	
	PEL	STEL	TWA	STEL
Titanium Dioxide	5 mg/m <sup>3</sup>	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	None established
Styrene monomer	50 ppm	100 ppm	20 ppm	40 ppm

**Exposure controls**

**Appropriate engineering controls**

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of mists and/or vapors below the recommended exposure limits.

**Personal protective equipment**

**Eye/face protection**

Safety glasses with side-shields, or goggles.

**Skin protection**

**Hand protection**

Use disposable nitrile gloves. Contaminated gloves should be replaced.

**Body protection**

Wear chemical resistant footwear and clothing such as gloves, an apron or a whole body suit as appropriate.

**Respiratory protection**

When concentrations exceed the exposure limits specified, use of a NIOSH-approved dust, mist and fume respirator is recommended. Use a properly-fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary..

**Section 8 Exposure Controls/Personal Protection** continued

**Safety stations**

Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

**General hygienic practices**

Avoid breathing vapor or mist. Avoid contamination of food, beverages, or smoking materials. Wash thoroughly after handling, and before eating, drinking or smoking. Remove contaminated clothing promptly and clean thoroughly before reuse.

**Section 9 Physical and Chemical Properties**

<b>Appearance</b>	White liquid/paste
<b>Odor</b>	Aromatic
<b>Odor Threshold</b>	No data available
<b>pH</b>	Non-aqueous
<b>Melting Point</b>	No data available
<b>VOC Content</b>	No data available
<b>Initial boiling point</b>	No data available
<b>Flash Point (Pensky-Marten)</b>	93°C (200°F)
<b>Evaporation rate</b>	No data available
<b>Flammability</b>	No data available
<b>Upper/lower flammability</b>	No data available
<b>Vapor Pressure</b>	No data available
<b>Vapor density</b>	No data available
<b>Relative density (g/cc)</b>	1.5 – 2.5
<b>Water Solubility</b>	No data available
<b>Coefficient: n-octanol/ water</b>	0.00112
<b>Auto-ignition temperature</b>	No data available
<b>Viscosity</b>	Paste at room temperature
<b>Explosive Properties</b>	Vapors may form an explosive mixture with air.
<b>Oxidizing Properties</b>	No data available
<b>% Volatile</b>	No data available

**Section 10 Stability and Reactivity**

**Reactivity**

No data available.

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

Hazardous polymerization will not occur.

**Conditions to avoid**

Heat and extended storage.

**Incompatible materials**

Oxidizing agents and strong acids

**Hazardous decomposition products**

Thermal oxidative decomposition can produce acid vapors, carbon monoxide, carbon dioxide.

**Section 11 Toxicological Information**

**Primary routes of exposure**

Ingestion, Inhalation, Skin Contact, Eye Contact,

**Acute Toxicity Values**

CAS Number	Ingredient	Oral LD50	Dermal LD50	Inhalation LC50
13463-67-7	Titanium Dioxide	>10,000 mg/kg (rat)	No Information	5,000 ppm 8 hour (rat)

**Effect of overexposure**

**Eye contact:** May cause mild irritation. Symptoms may include stinging, tearing, and redness.

**Ingestion:** May cause severe gastrointestinal disturbance with headache, nausea, vomiting and diarrhea.

**Inhalation:** Inhalation may cause irritation to the respiratory tract (nose, mouth, mucous membranes). May cause occupational asthma.

**Skin contact:** Prolonged or repeated contact can cause slight skin irritation, reddening, and swelling. Skin sensitization may occur.

**Carcinogenicity**

**IARC:** Group 2B: Possibly carcinogenic to humans (Styrene, Titanium dioxide).

**NTP:** Reasonably Anticipated to be a Human Carcinogen (Styrene).

**OSHA:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Section 12 Ecological Information**

<b>Ecotoxicity</b>	No data available
<b>Persistence and degradability</b>	No data available
<b>Bioaccumulative potential</b>	No data available
<b>Mobility in soil</b>	Moderate
<b>Results of PBT &amp; vPvB assessment</b>	No data available

**Section 13 Disposal Considerations**

Dispose of in accordance with local, provincial and federal regulations. Do not incinerate closed containers. Incinerate in approved facility. Liquid residue must be treated as hazardous waste and disposed in accordance with environmental regulations.

**Section 14 Transport Information**


Not regulated by DOT, IATA, or IMDG

**Section 15 Regulatory Information**

**US Federal Regulations**

TSCA Inventory Status: All ingredients listed on TSCA inventory requirements

**US State Regulations**

California Proposition 65:  **WARNING:** This product can expose you to chemicals including Styrene, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**Section 16 Other Information**

**Disclaimer**

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Mia Color Paste – Red, Yellow, Green, Blue

**Section 1 Identification**

**Product identifiers**

Product names: Mia Color Paste – Red, Yellow, Green, Blue

**Relevant identified uses**

Pigment for polyesters – Industrial use only

**Details of the supplier of the safety data sheet**

Freeman Manufacturing and Supply Company  
 1101 Moore Road, Avon, OH 44011  
 Phone (440) 934-1902  
 FAX (440) 934-7200

HMIS	
H	1
F	1
R	0
PPE	
Sec. 8	

**24 Hour Emergency Phone Number: (800) 424-9300 CHEMTREC**

**Section 2 Hazards Identification**

**GHS Classification in accordance with 29 CFR 1910.1200 (OSHA HCS)**

Flammable Liquid, Category 4  
 Skin Irritation, Category 3

**GHS Label elements, including precautionary statements**

GHS Symbols: None  
 Signal Word: Warning

**Hazard statements**

Combustible liquid  
 Causes skin irritation.  
 Causes eye irritation.

**Precautionary statements**

**Prevention**

Keep away from heat/sparks/open flames/hot surface. No smoking.  
 Ground/Bond container and receiving equipment.  
 Use only non-sparkling tools.  
 Take precautionary measures against static discharge.

**Response**

Wash skin with soap and water  
 If irritation persists: seek medical attention.

**Storage**

Store in a well-ventilated place. Keep container tightly closed. Keep cool.

**Disposal**

Dispose of contents and container to an appropriate waste site in accordance with local and national regulations.

**Section 3 Composition/Information on Ingredients**

Ingredient Name	CAS Number	Weight %
Not applicable	Not applicable	Not applicable

Mia Color Paste – Red, Yellow, Green, Blue

**Section 4 First Aid Measures**

**Description of first aid measures**

**If inhaled:** Move person into fresh air. If not breathing, give artificial respiration. If symptoms continue, get medical attention.

**In case of skin contact:** Wash off with soap and plenty of water. Get medical attention if irritation develops.

**In case of eye contact:** Flush eyes thoroughly with water for at least 15 minutes. If irritation persists, get medical assistance.

**If swallowed:** Consult a physician.

**Section 5 Fire-Fighting Measures**

**Extinguishing media**

Suitable extinguishing media: Water fog, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special hazards arising from the substance or mixture**

Nature of decomposition products not known.

**Advice for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

**Further information**

Vapors may be ignited by heat, flame, or other ignition sources.

**Section 6 Accidental Release Measures**

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

Only properly protected personnel should remain in the spill area. Avoid breathing vapors. Dike and contain spill. Stop or reduce discharge if it can be done safely.

**Environmental precautions**

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

**Methods and material for containment and cleaning up**

Use non-sparking tools and equipment. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). Dike to prevent entering any sewer or waterway. Transfer liquid to a holding container. Evacuate personnel to safe areas. Remove all sources of ignition. Ensure adequate ventilation. Avoid breathing vapors or mists.

**Section 7 Handling and Storage**

**Precautions for safe handling**

Wear personal protective equipment. Avoid contact with skin, eyes, and clothing. Wash contaminated clothing before reuse. Do not breathe fumes or vapor.

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

Store and dispose according to national, state and local regulations. Keep container closed when not in use. Store contents under 100F (37.8C). No known chemical incompatibilities.



Mia Color Paste – Red, Yellow, Green, Blue

**Section 8 Exposure Controls/Personal Protection**

**Appropriate engineering controls**

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of mists and/or vapors below the recommended exposure limits. Ensure that eyewash stations and safety showers are close to the workstation location.

**Personal protective equipment**

**Eye/face protection**

Safety glasses with side-shields. Wear chemical-resistant glasses and/or goggles and a face shield when eye and face contact is possible due to splashing or spraying of material.

**Skin protection**

**Hand protection**

Use disposable nitrile gloves. Contaminated gloves should be replaced.

**Body protection**

Wear chemical resistant footwear and clothing such as gloves, an apron or a whole body suit as appropriate.

**Respiratory protection**

Use a properly-fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. When concentrations exceed the exposure limits specified, use of a NIOSH-approved dust, mist and fume respirator is recommended. Where the protection factor of the respirator may be exceeded, use of a full face piece, supplied air, or Self Contained Breathing Apparatus (SCBA) may be necessary.

**General hygienic practices**

Avoid breathing vapor or mist. Avoid contamination of food, beverages, or smoking materials. Wash thoroughly after handling, and before eating, drinking or smoking. Remove contaminated clothing promptly and clean thoroughly before reuse.

**Section 9 Physical and Chemical Properties**

<b>Appearance</b>	Liquid/paste, various colors
<b>Odor</b>	Moderate ester
<b>Odor Threshold</b>	No data available
<b>pH</b>	No data available
<b>Melting Point</b>	No data available
<b>VOC Content</b>	No data available
<b>Boiling Range</b>	999°C
<b>Flash Point</b>	37-60°C
<b>Evaporation Rate</b>	No data available
<b>Flammability</b>	No data available
<b>Upper/lower flammability</b>	No data available
<b>Vapor Pressure</b>	No data available
<b>Vapor Density</b>	No data available
<b>Relative Density (g/cm<sup>3</sup>)</b>	1.1-1.3
<b>Water Solubility</b>	No data available
<b>Coefficient: n-octanol/ water</b>	No data available
<b>Auto-ignition temperature</b>	No data available
<b>Viscosity</b>	No data available
<b>% Volatile</b>	No data available

**Section 10 Stability and Reactivity**

**Reactivity**

No data available.

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

Hazardous polymerization will not occur.

**Conditions to avoid**

Heat and extended storage. Burning may produce obnoxious fumes.

**Incompatible materials**

Water

**Hazardous decomposition products**

Thermal oxidative decomposition can produce acid vapors, carbon monoxide, carbon dioxide.

**Section 11 Toxicological Information**

**Primary routes of exposure**

Eye Contact, Ingestion, Inhalation, Skin Contact

**Effect of overexposure**

**Eye contact:** May cause mild irritation. Symptoms may include stinging, tearing, and redness.

**Ingestion:** May cause severe gastrointestinal disturbance with headache, nausea, vomiting and diarrhea.

**Inhalation:** Inhalation may cause irritation to the respiratory tract (nose, mouth, mucous membranes). Prolonged, repeated or high exposures may cause central nervous system depression leading to headaches, nausea, drowsiness, dizziness, and possibly narcosis. In extreme cases, may cause loss of consciousness. Inhalation of high concentrations may cause headache, nausea, and dizziness.

**Skin contact:** Prolonged or repeated contact can cause slight skin irritation, reddening, and swelling.

**Carcinogenicity**

This product does not contain any substances identified as carcinogenic by either IARC or NTP.

**Section 12 Ecological Information**

**Ecotoxicity** No data available

**Persistence and degradability** No data available

**Bioaccumulative potential** No data available

**Mobility in soil** No data available

**Results of PBT & vPvB assessment** No data available

**Section 13 Disposal Considerations**

Contact a licensed waste disposal contractor. Dispose of material in accordance with the requirements of environmental protection and waste disposal legislation, and any regional local authority requirements.

Mia Color Paste – Red, Yellow, Green, Blue

**Section 14 Transport Information**

Not regulated by DOT, IATA, or IMDG

**Section 15 Regulatory Information**

**US Federal Regulations**

SARA 313 Toxic Chemical: No components exist in this product.

TSCA Inventory Status: All ingredients listed on TSCA inventory requirements

**US State Regulations**

California Proposition 65: **⚠ WARNING:** This product can expose you to chemicals including Styrene, which is known to the State of California to cause cancer.

For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**Section 16 Other Information**

**Disclaimer**

The following supersedes Buyer's documents. SELLER MAKES NO REPRESENTATION OR WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. No statements herein are to be construed as inducements to infringe any relevant patent. Under no circumstances shall Seller be liable for incidental, consequential or indirect damages for alleged negligence, breach of warranty, strict of liability arising in connection with the product(s). Buyer's sole remedy and Seller's sole liability for any claims shall be Buyer's purchase price. Data and results are based on controlled lab work and must be confirmed by Buyer by testing for its intended conditions of use. The product(s) has not been tested for, and is therefore not recommended for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended; or for uses for which implantation within the human body is intended.

Mia Color Paste–Chocolate Brown

**Section 1 Identification**

**Product identifiers**

Product names: Mia Color Paste –Chocolate Brown

**Relevant identified uses**

Pigment for polyesters – For industrial use

**Details of the supplier of the safety data sheet**

Freeman Manufacturing and Supply Company  
 1101 Moore Road, Avon, OH 44011  
 Phone (440) 934-1902  
 FAX (440) 934-7200

**24 Hour Emergency Phone Number: (800) 424-9300 CHEMTREC**

**Section 2 Hazards Identification**

**GHS Classification in accordance with 29 CFR 1910.1200 (OSHA HCS)**

Skin Irritant, Category 2  
 Carcinogenicity, Category 2

**GHS Label elements, including precautionary statements**



Signal word

Warning

**Hazard statements**

Causes skin irritation  
 Suspected of causing cancer

**Precautionary statements**

Prevention

Obtain special instructions before use.  
 Wear protective gloves/protective clothing/eye protection/face protection.  
 Use personal protective equipment as required.

Response

If exposed or concerned: Get medical advice/attention.

Storage

Store in a well-ventilated place. Keep cool. Protect from sunlight.

Disposal

Dispose of contents and container to an appropriate waste site in accordance with local and national regulations.

**Section 3 Composition/Information on Ingredients**

Ingredient Name	CAS Number	Weight %
Diethylene glycol	111-46-4	1 - 4

**Mia Color Paste–Chocolate Brown**

**Section 4 First Aid Measures**

**Description of first aid measures**

**If inhaled**

Move person into fresh air. Get medical attention.

**In case of skin contact**

Wash off with soap and plenty of water. If irritation persists, get medical assistance.

**In case of eye contact**

Flush eyes thoroughly with water. Get medical attention.

**If swallowed**

Rinse mouth with water. Consult a physician.

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

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: (nausea, vomiting, diarrhea), irritation (nose, throat, airways), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness) and other central nervous system effects, loss of coordination, confusion, liver damage.

**Indication of any immediate medical attention and special treatment needed**

No data available.

**Section 5 Fire-Fighting Measures**

**Extinguishing media**

Suitable extinguishing media: Water fog, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media: Do not use heavy water stream.

**Special hazards arising from the substance or mixture**

On combustion, styrene releases carbon, carbon monoxide and carbon dioxide.

**Advice for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

**Further information**

No data available.

**Section 6 Accidental Release Measures**

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

Remove all sources of ignition (flames, hot surfaces and electrical, static, or friction sparks).

Ventilate area. Use only non-sparking tools. Contaminated absorbent or used absorbent may heat and ignite a fire. Keep it outside and put some water in the container.

**Environmental precautions**

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers

**Section 6 Accidental Release Measures continued**

**Methods and material for containment and cleaning up**

Use non-sparking tools and equipment. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations.

**Mia Color Paste–Chocolate Brown**

**Section 7 Handling and Storage**

**Precautions for safe handling**

Use normal precautions when handling flammable materials. Do not breathe fumes or vapor. Do not allow material to contact skin. Provide appropriate exhaust ventilation.

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

Do not store above 100°F (37.8°C). Containers should be grounded when pouring. Wash hands after using and before smoking or eating. Emptied containers may retain hazardous residue and explosive vapors. Keep away from heat, sparks and flames. Do not cut, puncture or weld on or near empty containers. Use explosion proof electrical equipment. Follow all hazard precautions given in this data sheet until container is thoroughly cleaned or destroyed. Do not mix residues of this product with any other petroleum wastes.

**Section 8 Exposure Controls/Personal Protection**

**Exposure controls**

**Appropriate engineering controls**

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of mists and/or vapors below the recommended exposure limits.

**Personal protective equipment**

**Eye/face protection**

Safety glasses with side-shields, or goggles.

**Skin protection**

**Hand protection**

Use disposable nitrile gloves. Contaminated gloves should be replaced.

**Body protection**

Wear chemical resistant footwear and clothing such as gloves, an apron or a whole body suit as appropriate.

**Respiratory protection**

When concentrations exceed the exposure limits specified, use of a NIOSH-approved dust, mist and fume respirator is recommended. Use a properly-fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary..

**Safety stations**

Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

**General hygienic practices**

Avoid breathing vapor or mist. Avoid contamination of food, beverages, or smoking materials. Wash thoroughly after handling, and before eating, drinking or smoking. Remove contaminated clothing promptly and clean thoroughly before reuse.

**Section 9 Physical and Chemical Properties**

<b>Appearance</b>	Brown liquid/paste
<b>Odor</b>	Aromatic
<b>Odor Threshold</b>	No data available
<b>pH</b>	Non-aqueous
<b>Melting Point</b>	No data available
<b>VOC Content</b>	No data available

Mia Color Paste–Chocolate Brown

**Section 9 Physical and Chemical Properties continued**

<b>Initial boiling point</b>	No data available
<b>Flash Point (Pensky-Marten)</b>	93°C (200°F)
<b>Evaporation rate</b>	No data available
<b>Flammability</b>	No data available
<b>Upper/lower flammability</b>	No data available
<b>Vapor Pressure</b>	No data available
<b>Vapor density</b>	No data available
<b>Relative density (g/cc)</b>	1.5 – 2.5
<b>Water Solubility</b>	No data available
<b>Coefficient: n-octanol/ water</b>	0.00112
<b>Auto-ignition temperature</b>	No data available
<b>Viscosity</b>	Paste at room temperature
<b>Explosive Properties</b>	Vapors may form an explosive mixture with air.
<b>Oxidizing Properties</b>	No data available
<b>% Volatile</b>	No data available

**Section 10 Stability and Reactivity**

**Reactivity**

No data available.

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

Hazardous polymerization will not occur.

**Conditions to avoid**

Heat and extended storage.

**Incompatible materials**

Oxidizing agents and strong acids

**Hazardous decomposition products**

Thermal oxidative decomposition can produce acid vapors, carbon monoxide, carbon dioxide.

**Section 11 Toxicological Information**

**Primary routes of exposure**

Ingestion, Inhalation, Skin Contact, Eye Contact,

**Acute Toxicity Values**

CAS Number	Ingredient	Oral LD50	Dermal LD50	Inhalation LC50
13463-67-7	Titanium Dioxide	>10,000 mg/kg (rat)	No Information	5,000 ppm 8 hours (rat)

**Effect of overexposure**

**Eye contact:** May cause mild irritation. Symptoms may include stinging, tearing, and redness.

**Ingestion:** May cause severe gastrointestinal disturbance with headache, nausea, vomiting and diarrhea.

**Inhalation:** Inhalation may cause irritation to the respiratory tract (nose, mouth, mucous membranes). May cause occupational asthma.

**Skin contact:** Prolonged or repeated contact can cause slight skin irritation, reddening, and swelling. Skin sensitization may occur.

Mia Color Paste–Chocolate Brown

**Section 11 Toxicological Information continued**

**Carcinogenicity**

**IARC:** Group 2B: Possibly carcinogenic to humans (Styrene, Titanium dioxide).  
**NTP:** Reasonably Anticipated to be a Human Carcinogen (Styrene).  
**OSHA:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Section 12 Ecological Information**

<b>Ecotoxicity</b>	No data available
<b>Persistence and degradability</b>	No data available
<b>Bioaccumulative potential</b>	No data available
<b>Mobility in soil</b>	Moderate
<b>Results of PBT &amp; vPvB assessment</b>	No data available

**Section 13 Disposal Considerations**

Dispose of in accordance with local, provincial and federal regulations. Do not incinerate closed containers. Incinerate in approved facility. Liquid residue must be treated as hazardous waste and disposed in accordance with environmental regulations.

**Section 14 Transport Information**

Not regulated by DOT, IATA, or IMDG

**Section 15 Regulatory Information**

**TSCA Inventory Status**

All ingredients listed on TSCA inventory requirements

**California Proposition 65**

**⚠ WARNING:** This product can expose you to chemicals including Styrene, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**Section 16 Other Information**

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**Section 1 Identification**

**Product identifiers**

Product names: Mia Color Paste - Black

**Relevant identified uses**

Pigment for polyesters - Industrial use only

**Details of the supplier of the safety data sheet**

Freeman Manufacturing and Supply Company  
 1101 Moore Road, Avon, OH 44011  
 Phone (440) 934-1902  
 FAX (440) 934-7200

HMIS	
H	1
F	1
R	0
PPE	
Sec. 8	

**24 Hour Emergency Phone Number: (800) 424-9300 CHEMTREC**

**Section 2 Hazards Identification**

**GHS Classification in accordance with 29 CFR 1910.1200 (OSHA HCS)**

Skin Irritation, Category 3

**GHS Label elements, including precautionary statements**

GHS Symbols: None  
 Signal Word: None

**Hazard statements**

Irritating to skin.  
 May cause sensitization of susceptible persons.

**Precautionary statements**

**Prevention**

Obtain special instructions before use.  
 Wear personal protective equipment as required.

**Response**

If exposed or concerned: Get medical advice/attention.

**Storage**

Store in a well-ventilated place. Keep cool.

**Disposal**

Dispose of contents and container to an appropriate waste site in accordance with local and national regulations.

**Section 3 Composition/Information on Ingredients**

Ingredient Name	CAS Number	Weight %
Diethylene glycol	111-46-6	0.1 - 5.0

**Section 4 First Aid Measures**

**Description of first aid measures**

**If inhaled:** Move person into fresh air. If not breathing, give artificial respiration. If symptoms continue, get medical attention.

**In case of skin contact:** Wash off with soap and plenty of water. Get medical attention if irritation develops.

**Section 4 First Aid Measures continued**

**In case of eye contact:** Flush eyes thoroughly with water for at least 15 minutes. If irritation persists, get medical assistance.  
**If swallowed:** Consult a physician.

**Section 5 Fire-Fighting Measures**

**Extinguishing media**

Suitable extinguishing media: Water fog, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special hazards arising from the substance or mixture**

Nature of decomposition products not known.

**Advice for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

**Further information**

Vapors may be ignited by heat, flame, or other ignition sources.

**Section 6 Accidental Release Measures**

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

Only properly protected personnel should remain in the spill area. Avoid breathing vapors. Dike and contain spill. Stop or reduce discharge if it can be done safely.

**Environmental precautions**

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

**Methods and material for containment and cleaning up**

Use non-sparking tools and equipment. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). Dike to prevent entering any sewer or waterway. Transfer liquid to a holding container. Evacuate personnel to safe areas. Remove all sources of ignition. Ensure adequate ventilation. Avoid breathing vapors or mists.

**Section 7 Handling and Storage**

**Precautions for safe handling**

Wear personal protective equipment. Avoid contact with skin, eyes, and clothing. Wash contaminated clothing before reuse. Do not breathe fumes or vapor.

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

Store and dispose according to national, state and local regulations. Keep container closed when not in use. Store contents under 100F (37.8C). No known chemical incompatibilities.

**Section 8 Exposure Controls/Personal Protection**

**Components with workplace control parameters**

None known

**Section 8 Exposure Controls/Personal Protection continued**

**Appropriate engineering controls**

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of mists and/or vapors below the recommended exposure limits. Ensure that eyewash stations and safety showers are close to the workstation location.

**Personal protective equipment**

**Eye/face protection**

Safety glasses with side-shields. Wear chemical-resistant glasses and/or goggles and a face shield when eye and face contact is possible due to splashing or spraying of material.

**Skin protection**

**Hand protection**

Use disposable nitrile gloves. Contaminated gloves should be replaced.

**Body protection**

Wear chemical resistant footwear and clothing such as gloves, an apron or a whole body suit as appropriate.

**Respiratory protection**

Use a properly-fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. When concentrations exceed the exposure limits specified, use of a NIOSH-approved dust, mist and fume respirator is recommended. Where the protection factor of the respirator may be exceeded, use of a full face piece, supplied air, or Self Contained Breathing Apparatus (SCBA) may be necessary.

**General hygienic practices**

Avoid breathing vapor or mist. Avoid contamination of food, beverages, or smoking materials. Wash thoroughly after handling, and before eating, drinking or smoking. Remove contaminated clothing promptly and clean thoroughly before reuse.

**Section 9 Physical and Chemical Properties**

<b>Appearance</b>	Black liquid/paste
<b>Odor</b>	Moderate ester
<b>Odor Threshold</b>	No data available
<b>pH</b>	No data available
<b>Melting Point</b>	No data available
<b>VOC Content</b>	No data available
<b>Boiling Range</b>	999°C
<b>Flash Point</b>	93°C
<b>Evaporation Rate</b>	No data available
<b>Flammability</b>	No data available
<b>Upper/lower flammability</b>	No data available
<b>Vapor Pressure</b>	No data available
<b>Vapor Density</b>	No data available
<b>Relative Density (g/cm<sup>3</sup>)</b>	1.1-1.3
<b>Water Solubility</b>	No data available
<b>Coefficient: n-octanol/ water</b>	No data available
<b>Auto-ignition temperature</b>	No data available
<b>Viscosity</b>	No data available
<b>% Volatile</b>	No data available

**Section 10 Stability and Reactivity**

**Reactivity**

No data available.

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

Hazardous polymerization will not occur.

**Conditions to avoid**

Heat and extended storage. Burning may produce obnoxious fumes.

**Incompatible materials**

Water

**Hazardous decomposition products**

Thermal oxidative decomposition can produce acid vapors, carbon monoxide, carbon dioxide.

**Section 11 Toxicological Information**

**Primary routes of exposure**

Eye Contact, Ingestion, Inhalation, Skin Contact

**Effect of overexposure**

**Eye contact:** May cause mild irritation. Symptoms may include stinging, tearing, and redness.

**Ingestion:** May cause severe gastrointestinal disturbance with headache, nausea, vomiting and diarrhea.

**Inhalation:** Inhalation may cause irritation to the respiratory tract (nose, mouth, mucous membranes). Prolonged, repeated or high exposures may cause central nervous system depression leading to headaches, nausea, drowsiness, dizziness, and possibly narcosis. In extreme cases, may cause loss of consciousness. Inhalation of high concentrations may cause headache, nausea, and dizziness.

**Skin contact:** Prolonged or repeated contact can cause slight skin irritation, reddening, and swelling.

**Carcinogenicity**

This product does not contain any substances identified as carcinogenic by either IARC or NTP.

**Acute Toxicity Values**

The acute effects of this product have not been tested. Data on individual components below:

CAS Number	Ingredient	Oral LD50	Dermal LD50	Inhalation LC50
111-46-6	Diethylene glycol	12,565 mg/kg Rat	11,890 mg/kg Rabbit	No Information

**Section 12 Ecological Information**

**Ecotoxicity** No data available

**Persistence and degradability** No data available

**Bioaccumulative potential** No data available

**Mobility in soil** No data available

**Results of PBT & vPvB assessment** No data available

**Section 13 Disposal Considerations**

Contact a licensed waste disposal contractor. Dispose of material in accordance with the requirements of environmental protection and waste disposal legislation, and any regional local authority requirements.

**Section 14 Transport Information**

Not regulated by DOT, IATA, or IMDG

**Section 15 Regulatory Information**

**US Federal Regulations**

CERCLA Hazardous Substance: Benzoic acid, CAS No. 65-85-0


SARA 311/312 Codes: Chronic Health Hazard

SARA 313 Toxic Chemical: No components exist in this product.

TSCA Inventory Status: All ingredients listed on TSCA inventory requirements

**US State Regulations**

State Right-to-Know:	<u>Chemical Name</u>	<u>CAS No.</u>
	Diethylene glycol	111-46-6
	Dipropylene glycol monomethyl ether	34590-94-8
	Styrene monomer	100-42-5
	Hydroquinone	123-31-9
	Isopropyl alcohol	67-63-0
	Mineral spirits	8032-32-4
	Ethylbenzene	100-41-4
	Carbon black	1333-86-4

California Proposition 65:  **WARNING:** This product can expose you to chemicals including Styrene, which is known to the State of California to cause cancer. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**Section 16 Other Information**

**Disclaimer**

The following supersedes Buyer's documents. SELLER MAKES NO REPRESENTATION OR WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. No statements herein are to be construed as inducements to infringe any relevant patent. Under no circumstances shall Seller be liable for incidental, consequential or indirect damages for alleged negligence, breach of warranty, strict of liability arising in connection with the product(s). Buyer's sole remedy and Seller's sole liability for any claims shall be Buyer's purchase price. Data and results are based on controlled lab work and must be confirmed by Buyer by testing for its intended conditions of use. The product(s) has not been tested for, and is therefore not recommended for, uses for which prolonged contact with mucous membranes, abraded skin, or blood is intended; or for uses for which implantation within the human body is intended.

**Section 1 Identification**

**Product identifiers**

Product names: Mia Color Paste – Grey

**Relevant identified uses**

Pigment for polyesters – For industrial use

**Details of the supplier of the safety data sheet**

Freeman Manufacturing and Supply Company  
1101 Moore Road, Avon, OH 44011  
Phone (440) 934-1902  
FAX (440) 934-7200

**24 Hour Emergency Phone Number: (800) 424-9300 CHEMTREC**

**Section 2 Hazards Identification**

**GHS Classification in accordance with 29 CFR 1910.1200 (OSHA HCS)**

Skin Irritant, Category 2  
Carcinogenicity, Category 2

**GHS Label elements, including precautionary statements**



Signal word

Warning

**Hazard statements**

Causes skin irritation  
Suspected of causing cancer

**Precautionary statements**

**Prevention**

Obtain special instructions before use.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Use personal protective equipment as required.

**Response**

If exposed or concerned: Get medical advice/attention.

**Storage**

Store in a well-ventilated place. Keep cool. Protect from sunlight.

**Disposal**

Dispose of contents and container to an appropriate waste site in accordance with local and national regulations.

**Other Hazards**

Titanium dioxide (TiO<sub>2</sub>) has been listed by IARC as possibly carcinogenic to humans (group 2B). The listing is based on inadequate evidence of carcinogenic in humans and sufficient evidence in experimental animals.

**Section 3 Composition/Information on Ingredients**

Ingredient Name	CAS Number	Weight %
Titanium dioxide	13463-67-7	30 - 60

**Section 4 First Aid Measures**

**Description of first aid measures**

**If inhaled**

Move person into fresh air. Get medical attention.

**In case of skin contact**

Wash off with soap and plenty of water. If irritation persists, get medical assistance.

**In case of eye contact**

Flush eyes thoroughly with water. Get medical attention.

**If swallowed**

Rinse mouth with water. Consult a physician.

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

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: (nausea, vomiting, diarrhea), irritation (nose, throat, airways), central nervous system depression (dizziness, drowsiness, weakness, fatigue, nausea, headache, unconsciousness) and other central nervous system effects, loss of coordination, confusion, liver damage.

**Indication of any immediate medical attention and special treatment needed**

No data available.

**Section 5 Fire-Fighting Measures**

**Extinguishing media**

Suitable extinguishing media: Water fog, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media: Do not use heavy water stream.

**Special hazards arising from the substance or mixture**

On combustion, styrene releases carbon, carbon monoxide and carbon dioxide.

**Advice for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

**Further information**

No data available.

**Section 6 Accidental Release Measures**

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

Remove all sources of ignition (flames, hot surfaces and electrical, static, or friction sparks).

Ventilate area. Use only non-sparking tools. Contaminated absorbent or used absorbent may heat and ignite a fire. Keep it outside and put some water in the container.

**Environmental precautions**

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers

**Methods and material for containment and cleaning up**

Use non-sparking tools and equipment. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations.

**Section 7 Handling and Storage**

**Precautions for safe handling**

Use normal precautions when handling flammable materials. Do not breathe fumes or vapor. Do not allow material to contact skin. Provide appropriate exhaust ventilation.

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

Do not store above 100°F (37.8°C). Containers should be grounded when pouring. Wash hands after using and before smoking or eating. Emptied containers may retain hazardous residue and explosive vapors. Keep away from heat, sparks and flames. Do not cut, puncture or weld on or near empty containers. Use explosion proof electrical equipment. Follow all hazard precautions given in this data sheet until container is thoroughly cleaned or destroyed. Do not mix residues of this product with any other petroleum wastes.

**Section 8 Exposure Controls/Personal Protection**

**Exposure controls**

**Appropriate engineering controls**

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of mists and/or vapors below the recommended exposure limits.

**Personal protective equipment**

**Eye/face protection**

Safety glasses with side-shields, or goggles.

**Skin protection**

**Hand protection**

Use disposable nitrile gloves. Contaminated gloves should be replaced.

**Body protection**

Wear chemical resistant footwear and clothing such as gloves, an apron or a whole body suit as appropriate.

**Respiratory protection**

When concentrations exceed the exposure limits specified, use of a NIOSH-approved dust, mist and fume respirator is recommended. Use a properly-fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary..

**Safety stations**

Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

**General hygienic practices**

Avoid breathing vapor or mist. Avoid contamination of food, beverages, or smoking materials. Wash thoroughly after handling, and before eating, drinking or smoking. Remove contaminated clothing promptly and clean thoroughly before reuse.

**Section 9 Physical and Chemical Properties**

<b>Appearance</b>	Grey liquid/paste
<b>Odor</b>	Moderate organic
<b>Odor Threshold</b>	No data available
<b>pH</b>	Non-aqueous
<b>Melting Point</b>	No data available
<b>VOC Content</b>	No data available
<b>Boiling Range</b>	999°C



**Section 9 Physical and Chemical Properties continued**

<b>Flash Point (Pensky-Marten)</b>	93°C
<b>Evaporation rate</b>	No data available
<b>Flammability</b>	No data available
<b>Upper/lower flammability</b>	No data available
<b>Vapor Pressure</b>	No data available
<b>Vapor density</b>	No data available
<b>Relative density (g/cc)</b>	1.5 – 2.5
<b>Water Solubility</b>	No data available
<b>Coefficient: n-octanol/ water</b>	No data available
<b>Auto-ignition temperature</b>	No data available
<b>Viscosity</b>	Paste at room temperature
<b>Explosive Properties</b>	Vapors may form an explosive mixture with air.
<b>Oxidizing Properties</b>	No data available
<b>% Volatile</b>	No data available

**Section 10 Stability and Reactivity**

**Reactivity**

No data available.

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

Hazardous polymerization will not occur.

**Conditions to avoid**

Heat and extended storage.

**Incompatible materials**

Oxidizing agents and strong acids

**Hazardous decomposition products**

Thermal oxidative decomposition can produce acid vapors, carbon monoxide, carbon dioxide.

**Section 11 Toxicological Information**

**Primary routes of exposure**

Ingestion, Inhalation, Skin Contact, Eye Contact,

**Effect of overexposure**

**Eye contact:** May cause mild irritation. Symptoms may include stinging, tearing, and redness.

**Ingestion:** May cause severe gastrointestinal disturbance with headache, nausea, vomiting and diarrhea.

**Inhalation:** Inhalation may cause irritation to the respiratory tract (nose, mouth, mucous membranes). May cause occupational asthma.

**Skin contact:** Prolonged or repeated contact can cause slight skin irritation, reddening, and swelling. Skin sensitization may occur.

**Carcinogenicity**

**IARC:** Group 2B: Possibly carcinogenic to humans (Styrene, Titanium dioxide).

**NTP:** Reasonably Anticipated to be a Human Carcinogen (Styrene).

**OSHA:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Section 12 Ecological Information**

<b>Ecotoxicity</b>	No data available
<b>Persistence and degradability</b>	No data available
<b>Bioaccumulative potential</b>	No data available
<b>Mobility in soil</b>	Moderate
<b>Results of PBT &amp; vPvB assessment</b>	No data available

**Section 13 Disposal Considerations**

Dispose of in accordance with local, provincial and federal regulations. Do not incinerate closed containers. Incinerate in approved facility. Liquid residue must be treated as hazardous waste and disposed in accordance with environmental regulations.

**Section 14 Transport Information**

Not regulated by DOT, IATA, or IMDG

**Section 15 Regulatory Information**

**US Federal Regulations**

TSCA Inventory Status: All ingredients listed on TSCA inventory requirements

**US State Regulations**

California Proposition 65:  **WARNING:** This product can expose you to chemicals including Styrene, which is known to the State of California to cause cancer.

For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**Section 16 Other Information**

**Disclaimer**

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