

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 ³	15 mg/m ³	10 mg/m ³	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

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

Ecotoxicity	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	Moderate
Results of PBT & vPvB assessment	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.

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 – 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

Appearance	Liquid/paste, various colors
Odor	Moderate ester
Odor Threshold	No data available
pH	No data available
Melting Point	No data available
VOC Content	No data available
Boiling Range	999°C
Flash Point	37-60°C
Evaporation Rate	No data available
Flammability	No data available
Upper/lower flammability	No data available
Vapor Pressure	No data available
Vapor Density	No data available
Relative Density (g/cm³)	1.1-1.3
Water Solubility	No data available
Coefficient: n-octanol/ water	No data available
Auto-ignition temperature	No data available
Viscosity	No data available
% Volatile	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.

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

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

Mia Color Paste–Chocolate Brown

Section 9 Physical and Chemical Properties continued

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

Ecotoxicity	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	Moderate
Results of PBT & vPvB assessment	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.

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

Appearance	Black liquid/paste
Odor	Moderate ester
Odor Threshold	No data available
pH	No data available
Melting Point	No data available
VOC Content	No data available
Boiling Range	999°C
Flash Point	93°C
Evaporation Rate	No data available
Flammability	No data available
Upper/lower flammability	No data available
Vapor Pressure	No data available
Vapor Density	No data available
Relative Density (g/cm³)	1.1-1.3
Water Solubility	No data available
Coefficient: n-octanol/ water	No data available
Auto-ignition temperature	No data available
Viscosity	No data available
% Volatile	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.

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 (TiO₂) 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

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

Section 9 Physical and Chemical Properties continued

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

Ecotoxicity	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	Moderate
Results of PBT & vPvB assessment	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.

Section 16 Other Information

Disclaimer

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