

SAFETY DATA SHEET

Pigment Packs (PP) - Dry (All Colors)

Printed: 04/27/2016
Revision: 04/25/2016

1. Product and Company Identification

Product Code: MDC-PP-000
Product Name: Pigment Packs (PP) - Dry (All Colors)
Company Name: Miami Distribution Center
 4050 Clough Woods Dr.
 Batavia, OH 45103
Intended Use: Industrial floor coatings.

2. Hazards Identification

Skin Corrosion/Irritation, Category 3

GHS Hazard Phrases: H320 - Causes eye irritation. H316 - Causes mild skin irritation.

GHS Precaution Phrases: P285 - In case of inadequate ventilation wear respiratory protection.
 P264 - Wash hands/Arms thoroughly after handling.
 P260 - Do not breathe dust/fume/.
 P271 - Use only outdoors or in a well-ventilated area.
 P235+410 - Keep cool and protect from sunlight.

GHS Response Phrases: P301 - IF SWALLOWED: P330 - Rinse mouth. P313 - Get medical advice/attention.
 P304+341 - IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.
 P302+350 - IF ON SKIN: Gently wash with plenty of soap and water. P332+313 - If skin irritation occurs, get medical advice/attention.
 P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+313 - If eye irritation persists, get medical advice/attention.

GHS Storage and Disposal Phrases: P404 - Store in a closed container. P403+235 - Store in cool/well-ventilated place.

OSHA Regulatory Status: This material is classified as hazardous under OSHA regulations.

Potential Health Effects (Acute and Chronic): Prolonged exposure may cause dermatitis & skin cracking.

Inhalation: Irritating to the nose, throat and respiratory tract.

Skin Contact: Repeated exposure may cause skin dryness or cracking.

Eye Contact: Irritating, and may injure eye tissue if not removed promptly.

Ingestion: Irritating to mouth, throat and stomach. May cause vomiting.

Medical Conditions Generally Aggravated By Exposure: Skin disorders, Respiratory disorders, Eye disorders, Skin Allergies.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration	
13463-67-7	Titanium dioxide / 二氧化钛	<=100.0 %	
1317-61-9	Iron oxide / 氧化铁	<=100.0 %	
1309-37-1	Iron oxide (Fe ₂ O ₃) / 氧化铁	<=100.0 %	
1308-38-9	Chromium oxide / 氧化铬	<=100.0 %	
1345-16-0	Cobalt aluminate blue spinel / 钴铝酸盐蓝色尖晶石	<=100.0 %	

SAFETY DATA SHEET

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4. First Aid Measures

Emergency and First Aid
Procedures:

In Case of Inhalation:	If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Get medical advice/attention.
In Case of Skin Contact:	Remove contaminated clothing and shoes. Brush off loose particles from skin. Rinse cautiously with water for several minutes.
In Case of Eye Contact:	Hold eyelids apart and flush eyes with plenty of water. After initial flushings, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and tested by medical personnel.
In Case of Ingestion:	If swallowed, do NOT induce vomiting. Give victim a glass of water. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.
Signs and Symptoms Of Exposure:	May cause skin, eye, and respiratory irritation. Prolonged exposure may cause dermatitis & skin cracking.

5. Fire Fighting Measures

Flash Pt:	NP
Explosive Limits:	LEL: No data. UEL: No data.
Autoignition Pt:	NP
Suitable Extinguishing Media:	Use water spray, foam, dry chemical, or carbon dioxide.
Unsuitable Extinguishing Media:	Product will not support combustion as supplied.
Fire Fighting Instructions:	Product will not support combustion as supplied.
Flammable Properties and Hazards:	Will not support combustion.

6. Accidental Release Measures

Protective Precautions, Protective Equipment and Emergency Procedures:	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 149) respirator. Wear safety glasses with side shields or goggles to avoid contact with the eyes. In extremely dusty environments and unpredictable environments, wear tight-fitting unvented or indirectly vented goggles to avoid eye irritation or injury.
Environmental Precautions:	Avoid release to the environment.
Steps To Be Taken In Case Material Is Released Or Spilled:	Use personal protective equipment. Vacuum or sweep up material and place into a suitable disposal container. Collect dry material using a scoop. Avoid actions that cause dust to become airborne. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Do not flush to sewer.

7. Handling and Storage

Precautions To Be Taken in Handling:	Wear all personal protection required in section 8. Avoid contact with skin and eyes. Minimize dust generation and accumulation.
Precautions To Be Taken in Storing:	Handle and store in a manner so that airborne dust does not exceed applicable exposure limits. Use adequate ventilation and dust collection.
Other Precautions:	Store in a closed container.

SAFETY DATA SHEET

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Revision: 04/25/2016

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
13463-67-7	Titanium dioxide / 二氧化钛	PEL: 15 (dust) mg/m ³	TLV: 10 mg/m ³	No data.
1317-61-9	Iron oxide / 氧化铁	No data.	No data.	No data.
1309-37-1	Iron oxide (Fe ₂ O ₃) / 氧化铁	PEL: 10 mg/m ³	TLV: 5 mg/m ³ (dust & fume)	No data.
1308-38-9	Chromium oxide / 氧化铬	No data.	No data.	No data.
1345-16-0	Cobalt aluminate blue spine / 钴铝酸盐蓝色尖晶石	No data.	No data.	No data.

Respiratory Equipment (Specify Type):	Use local exhaust ventilation to maintain airborne concentrations below the TLV, or if values are unknown. Suitable respiratory equipment should be used in cases of insufficient ventilation or where operational procedures demand it.
Eye Protection:	Wear safety glasses with side shields or goggles to avoid contact with the eyes. In extremely dusty environments and unpredictable environments, wear tight-fitting unvented or indirectly vented goggles to avoid eye irritation or injury. Contact lenses should not be worn.
Protective Gloves:	Impervious gloves.
Other Protective Clothing:	Impervious clothing.
Engineering Controls (Ventilation etc.):	Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product. Good general ventilation should be sufficient to control airborne levels.
Work/Hygienic/Maintenance Practices:	Wash thoroughly after handling. Wash hands before breaks and at the end of workday. Wash contaminated clothing before reuse.
Environmental Exposure Controls:	Avoid runoff into storm sewers and ditches which lead to waterways.

9. Physical and Chemical Properties

Physical States:	[] Gas [] Liquid [X] Solid	
Appearance and Odor:	Various Colors. Powder.	
Melting Point:	No data.	
Boiling Point:	No data.	
Autoignition Pt:	NP	
Flash Pt:	NP	
Explosive Limits:	LEL: No data.	UEL: No data.
Specific Gravity (Water = 1):	No data.	
Vapor Pressure (vs. Air or mm Hg):	No data.	
Vapor Density (vs. Air = 1):	No data.	
Evaporation Rate:	No data.	
Solubility in Water:	No data.	
Solubility Notes:	Insoluble.	
Percent Volatile:	N.A.	

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10. Stability and Reactivity

Stability:	Unstable [<input type="checkbox"/>] Stable [<input checked="" type="checkbox"/>]
Conditions To Avoid - Instability:	None known.
Incompatibility - Materials To Avoid:	Not reported.
Hazardous Decomposition Or Byproducts:	No data available.
Possibility of Hazardous Polymerization:	Will occur [<input type="checkbox"/>] Will not occur [<input checked="" type="checkbox"/>]
Conditions To Avoid - Hazardous Reactions:	Product will not undergo polymerization.

11. Toxicological Information

Toxicological Information:	May cause breathing disorders and lung damage.
Irritation or Corrosion:	Causes eye, skin, and respiratory irritation.
Symptoms related to Toxicological Characteristics:	Prolonged or repeated contact may cause skin irritation with local redness.
Carcinogenicity/Other Information:	Suspected of causing cancer. IARC has classified TiO ₂ as 2B Possibly carcinogenic to humans. However, the only evidence of carcinogenicity is in rats exposed to very high concentrations. Two major epidemiology studies among titanium dioxide workers in the US and in EUROPE could not demonstrate an elevated lung cancer risk.

12. Ecological Information

General Ecological Information:	This product is not considered to be environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Persistence and Degradability:	Not readily biodegradable.
Bioaccumulative Potential:	Not expected to bioaccumulate.

13. Disposal Considerations

Waste Disposal Method:	Dispose of this product, product solutions and its container according to federal, state and local authority requirements.
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14. Transport Information

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not Regulated.

DOT Hazard Class:

UN/NA Number:

Precautionary Label: Read product SDS and all labels before use. Wear all required personal protection. May cause skin, eye, and respiratory irritation. Ventilation is normally required when handling or using this product to keep exposure to airborne contaminants below the exposure limit. Collect dry material using a scoop. Avoid actions that cause dust to become airborne.

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MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: Not Regulated.

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Not Regulated.

15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
13463-67-7	Titanium dioxide / 二氧化钛	No	No	No
1317-61-9	Iron oxide / 氧化铁	No	No	No
1309-37-1	Iron oxide (Fe ₂ O ₃) / 氧化铁	No	No	No
1308-38-9	Chromium oxide / 氧化铬	No	No	Yes-Cat. N090
1345-16-0	Cobalt aluminate blue spinel / 钴铝酸盐蓝色尖晶石	No	No	Yes-Cat. N096

This material meets the EPA Yes No Acute (immediate) Health Hazard
'Hazard Categories' defined Yes No Chronic (delayed) Health Hazard
for SARA Title III Sections Yes No Fire Hazard
311/312 as indicated: Yes No Sudden Release of Pressure Hazard
 Yes No Reactive Hazard

Regulatory Information: SARA Section 311/312: Acute, Chronic Health Hazard.

16. Other Information

Revision Date: 04/25/2016

Hazard Rating System:

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0
PPE	X

HMIS:

Additional Information About This Product: CA=CIRCA NA=NOT AVAILABLE NE=NOT ESTABLISHED NR=NOT REGULATED
 NP= NOT APPLICABLE PR=PROPRIETARY TS=TRADE SECRET ?=UNKNOWN.

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