### MM-23481D PS TURQUOISE NPT-37-0813

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# SAFETY DATA SHEET

### MM-23481D PS TURQUOISE NPT-37-0813

Section 1. Identification			
GHS product identifier	:	MM-23481D PS TURQUOISE NPT-37-0813	
Chemical name	:	Mixture	
CAS number	:	Mixture	
Other means of identification	:	CC01064147	
Product type	:	solid	
<u>Relevant identified uses of the subs</u> Supplier's details	tance :	e or mixture and uses advised against Mesa Industries 230 N 48th Avenue Phoenix, AZ 85043	
		(602) 269-3199	
Emergency telephone number (with hours of operation)	:	CHEMTREC 1-800-424-9300 (24hrs for spill, leak, fire, exposure or accident).	

## Section 2. Hazards identification

This mixture has not been evaluated as a whole. Information provided on the health effects of this product is based on individual components. All ingredients are bound and potential for hazardous exposure as shipped is minimal. However, some vapors may be released upon heating and the end-user (fabricator) must take the necessary precautions (mechanical ventilation, respiratory protection, etc.) to protect employees from exposure. After handling, always wash hands thoroughly with soap and water.

OSHA/HCS status	:	This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Classification of the substance or mixture	:	COMBUSTIBLE DUSTS
<b>GHS label elements</b>		
Signal word Hazard statements	:	Warning May form combustible dust concentrations in air.



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General	:	Not applicable.
Prevention	:	Not applicable.
Response	:	Not applicable.
Storage	:	Not applicable.
Disposal	:	Not applicable.
Supplemental label elements	:	Keep container tightly closed.
Hazards not otherwise classified	:	None known.

## Section 3. Composition/information on ingredients

Substance/mixture	:	Mixture
Chemical name	:	Mixture
Other means of identification	:	CC01064147

CAS number/other identifiers

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

### **Section 4. First aid measures**

#### Description of necessary first aid measures

Eye contact Immediately flush eyes with plenty of water, occasionally lifting the : upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs. Inhalation Remove victim to fresh air and keep at rest in a position comfortable : for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be



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		delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Skin contact	:	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Ingestion	:	Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

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

Potential acute health effects			
Eye contact	:	Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes.	
Inhalation	:	Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs.	
Skin contact	:	No known significant effects or critical hazards.	
Ingestion	:	No known significant effects or critical hazards.	
Over-exposure signs/symptoms			
Eye contact	:	Adverse symptoms may include the following: irritation	
Inhalation	:	redness Adverse symptoms may include the following: respiratory tract irritation coughing	
Skin contact	:	No specific data.	
Ingestion	:	No specific data.	
Indication of immediate medical attention and special treatment needed, if necessary			
Notes to physician	:	In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.	
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Specific treatments:No specific treatment.Protection of first-aiders:No action shall be taken involving any personal risk or without<br/>suitable training. It may be dangerous to the person providing aid to<br/>give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

## **Section 5. Firefighting measures**

### Extinguishing media

Suitable extinguishing media Unsuitable extinguishing media	:	Use dry chemical powder. Avoid high pressure media which could cause the formation of a potentially explosible dust-air mixture.
Specific hazards arising from the chemical	:	May form explosible dust-air mixture if dispersed.
Hazardous thermal decomposition products	:	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulfur oxides metal oxide/oxides
Special protective actions for fire- fighters	:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire- exposed containers cool.
Special protective equipment for fire-fighters	:	Fire-fighters should wear appropriate protective equipment and self- contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

<b>For non-emergency personnel</b> : No action shall be taken involving any personal risk or wit suitable training. Evacuate surrounding areas. Keep unnec unprotected personnel from entering. Do not touch or walk spilled material. Shut off all ignition sources. No flares, sn flames in hazard area. Avoid breathing dust. Provide adequiventilation. Wear appropriate respirator when ventilation i
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For emergency responders :	inadequate. Put on appropriate personal protective equipment. If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
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 materials for containment	and cleaning up
Small spill :	Move containers from spill area. Use spark-proof tools and explosion- proof equipment. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.
Large spill :	

## Section 7. Handling and storage

### Precautions for safe handling

Protective measures	:	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing dust. Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Prevent dust accumulation. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.
Advice on general occupational	:	Eating, drinking and smoking should be prohibited in areas where this
hygiene		material is handled, stored and processed. Workers should wash hands



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and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities

: Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure controls/personal protection

#### **Control parameters**

#### **Occupational exposure limits**

None.

Appropriate engineering controls Environmental exposure controls	:	Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
Individual protection measures		
Hygiene measures Eye/face protection	:	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location. Safety eyewear complying with an approved standard should be used



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		when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields. If operating conditions cause high dust concentrations to be produced, use dust goggles.
Skin protection		
Hand protection	:	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
Body protection	:	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Other skin protection	:	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
Respiratory protection	:	Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## Section 9. Physical and chemical properties

### **Appearance**

Physical state	:	solid [Powder.]
Color	:	Not determined
Odor	:	Not available.
Odor threshold	:	Not available.
рН	:	Not available.
Melting point	:	Not available.
Boiling point	:	Not available.
Flash point	:	Not available.
Burning time	:	Not available.
Burning rate	:	Not available.
Evaporation rate	:	Not available.



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Flammability (solid, gas)	:	Not available.
Lower and upper explosive	:	Lower: Not available.
(flammable) limits		Upper: Not available.
Vapor pressure	:	Not available.
Vapor density	:	Not available.
Relative density	:	Not available.
Solubility	:	Not available.
Solubility in water	:	Not available.
Partition coefficient: n-	:	Not available.
octanol/water		
Auto-ignition temperature	:	Not available.
<b>Decomposition temperature</b>	:	Not available.
SADT	:	Not available.
Viscosity	:	Dynamic: Not available.
-		Kinematic: Not available.

## Section 10. Stability and reactivity

Reactivity	No specific test data related to reactivity available for this pr its ingredients.	oduct or
Chemical stability	Stable under recommended storage and handling conditions Section 7).	(see
Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous react not occur.	ions will
Conditions to avoid	Avoid the creation of dust when handling and avoid all possis sources of ignition (spark or flame). Take precautionary mea against electrostatic discharges. To avoid fire or explosion, d static electricity during transfer by grounding and bonding co and equipment before transferring material. Prevent dust accumulation.	sures lissipate
Incompatible materials	Reactive or incompatible with the following materials: oxidizing materials	
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decorproducts should not be produced.	mposition

## Section 11. Toxicological information

This mixture has not been evaluated as a whole for health effects. Exposure effects listed are based on existing health data for the individual components which comprise the mixture.

### **Information on toxicological effects**

### Acute toxicity

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Conclusion/Summary	:	Mixture.Not fully tested.
Irritation/Corrosion		
Conclusion/Summary Skin Eyes Respiratory	: : :	Mixture.Not fully tested. Mixture.Not fully tested. Mixture.Not fully tested.
<b>Sensitization</b>		
Conclusion/Summary Skin Respiratory	:	Mixture.Not fully tested. Mixture.Not fully tested.
<b>Mutagenicity</b>		
Conclusion/Summary	:	Mixture.Not fully tested.
<b>Carcinogenicity</b>		
Conclusion/Summary	:	Mixture.Not fully tested.
<u>Reproductive toxicity</u>		
Conclusion/Summary	:	Mixture.Not fully tested.
<b>Teratogenicity</b>		
Conclusion/Summary	:	Mixture.Not fully tested.
<u>Specific target organ toxicity (sing</u> Not available.	le exp	<u>posure)</u>
<u>Specific target organ toxicity (repe</u> Not available.	ated	<u>exposure)</u>
Aspiration hazard Not available.		
Information on likely routes of exposure	:	Not available.
Potential acute health effects		
Eye contact	:	Exposure to airborne concentrations above statutory or recommended
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Inhalation	<ul><li>exposure limits may cause irritation of the eyes.</li><li>Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs.</li></ul>
Skin contact	: No known significant effects or critical hazards.
Ingestion	No known significant effects or critical hazards.
Symptoms related to the physical, ch	emical and toxicological characteristics
Eye contact	: Adverse symptoms may include the following: irritation redness
Inhalation	: Adverse symptoms may include the following:
	respiratory tract irritation
	coughing
Skin contact	: No specific data.
Ingestion	: No specific data.
-	
Delayed and immediate effects as we	l as chronic effects from short and long-term exposure
Short term exposure	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Long term exposure	
Potential immediate effects	: Not available.
Potential delayed effects	: Not available.
Potential chronic health effects	
Conclusion/Summary	: Mixture.Not fully tested.
General	: Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.
Carcinogenicity	: No known significant effects or critical hazards.
Mutagenicity	: No known significant effects or critical hazards.
Teratogenicity	: No known significant effects or critical hazards.
<b>Developmental effects</b>	: No known significant effects or critical hazards.
Fertility effects	: No known significant effects or critical hazards.
Numerical measures of toxicity	
Acute toxicity estimates	

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Not available.

Section 12. Ecological information		
Toxicity		
Conclusion/Summary	:	Not available.
Persistence and degradability		
Conclusion/Summary	:	Not available.
Bioaccumulative potential Not available.		
Mobility in soil		
Soil/water partition coefficient (KOC)	:	Not available.
Other adverse effects	:	No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Disposal methods** The generation of waste should be avoided or minimized wherever : possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.



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### United States - RCRA Acute hazardous waste "P" List: Not listed

United States - RCRA Toxic hazardous waste "U" List: Not listed

## Section 14. Transport information

U.S.DOT 49CFR Ground/Air/Water	:	Not regulated for transportation.
International Air ICAO/IATA	:	Consult mode specific transport rules
International Water IMO/IMDG	:	Consult mode specific transport rules

## Section 15. Regulatory information

U.S. Federal regulations	:	<ul> <li>United States - TSCA 12(b) - Chemical export notification: None of the components are listed.</li> <li>United States - TSCA 4(a) - Final Test Rules: Not listed</li> <li>United States - TSCA 4(a) - ITC Priority list: Not listed</li> <li>United States - TSCA 4(a) - Proposed test rules: Not listed</li> <li>United States - TSCA 4(f) - Priority risk review: Not listed</li> <li>United States - TSCA 5(a)2 - Final significant new use rules: Not listed</li> <li>United States - TSCA 5(a)2 - Proposed significant new use rules: Not listed</li> <li>United States - TSCA 5(e) - Substances consent order: Not listed</li> <li>United States - TSCA 6 - Final risk management: Not listed</li> <li>United States - TSCA 6 - Proposed risk management: Not listed</li> <li>United States - TSCA 8(a) - Chemical risk rules: Not listed</li> <li>United States - TSCA 8(a) - Preliminary assessment report</li> <li>(PAIR): Not listed</li> <li>United States - TSCA 8(c) - Significant adverse reaction (SAR): Not listed</li> <li>United States - TSCA 8(d) - Health and safety studies: Not listed</li> <li>United States - TSCA 8(d) - Health and safety studies: Not listed</li> <li>United States - TSCA 8(d) - Health and safety studies: Not listed</li> </ul>





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**Phthalocyanine Blue** 

United States - EPA Clean water act (CWA) section 311 -Hazardous substances: Not listed United States - EPA Clean air act (CAA) section 112 - Accidental release prevention - Flammable substances: Not listed United States - EPA Clean air act (CAA) section 112 - Accidental release prevention - Toxic substances: Not listed United States - Department of commerce - Precursor chemical: Not listed

Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs)	:	Listed
Clean Air Act Section 602 Class I	:	Not listed
Substances Clean Air Act Section 602 Class II	:	Not listed
Substances DEA List I Chemicals (Precursor		Not listed
Chemicals)		
DEA List II Chemicals (Essential Chemicals)	:	Not listed

### US. EPA CERCLA Hazardous Substances (40 CFR 302)

not applicable

#### SARA 311/312

Classification

Fire hazard

:

### **Composition/information on ingredients**

### No products were found.

<u>SARA 313</u>

	Product name	CAS number	%
Form R - Reporting	Cobalt titanate green spinel	68186-85-6	90 - 100
requirements	(C.I. Pigment Green 50)		
Supplier notification	Cobalt titanate green spinel	68186-85-6	90 - 100
	(C.I. Pigment Green 50)		

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations		
Massachusetts	:	None of the components are listed.
New York	:	None of the components are listed.

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New Jersey	:	The following components are listed: Phthalocyanine Blue
		Cobalt titanate green spinel (C.I. Pigment Green 50)
Pennsylvania	:	The following components are listed:
		Phthalocyanine Blue
		Cobalt titanate green spinel (C.I. Pigment Green 50)
California Prop. 65		
	hemi	cal known to the State of California to cause cancer.
United States inventory (TSCA 8b)	:	All components are listed or exempted.
Canada inventory	:	All components are listed or exempted.
International regulations		
Inventory list		
Australia	:	All components are listed or exempted.
Canada	:	All components are listed or exempted.
China	:	All components are listed or exempted.
Europe inventory	:	All components are listed or exempted.
Japan	:	All components are listed or exempted.
New Zealand	:	All components are listed or exempted.
Philippines	:	All components are listed or exempted.
Republic of Korea	:	All components are listed or exempted.
Taiwan	:	All components are listed or exempted.
Turkey	:	All components are listed or exempted.
United States	:	All components are listed or exempted.

## Section 16. Other information

### Hazardous Material Information System (U.S.A.)

Health	/	0
Flammability		3
Physical hazards		0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark



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and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual. History

<b>Histor</b>		
Date of printing	:	06/28/2018
Date of issue/Date of revision	:	06/27/2018
Date of previous issue	:	00/00/0000
Version	:	1.0
Key to abbreviations	:	ATE = Acute Toxicity Estimate
•		BCF = Bioconcentration Factor
		GHS = Globally Harmonized System of Classification and Labelling of
		Chemicals
		IATA = International Air Transport Association
		IBC = Intermediate Bulk Container
		IMDG = International Maritime Dangerous Goods
		LogPow = logarithm of the octanol/water partition coefficient
		MARPOL = International Convention for the Prevention of Pollution From
		Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine
		pollution)
		UN = United Nations
References	:	Not available.

#### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the abovenamed supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Particularly this information may not be valid for such material used in conjunction with any other materials or in any process, unless specified in the text.