M. Graham Co® Artist Oils

Non-Hazardous Colors

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1. Identification of the Preparation and of The Company

Product Name and/or code: M. Graham Co® Artist Oils

Effective Date: 31-Aug-20

Manufacturer: M Graham & Co
PO Box 404

Hubbard OR 97032

Information Contact: 503-656-6761

Emergency Contact: Poison Control Center 800-822-1222

Product Use: ART MATERIAL - CONSUMER PRODUCT. Artist professional

products, pigment dispersions and mediums. For application with brush to a substrate. Not intended for spray application, sanding,

or other operations which generate dust or airborne

concentrations.

2. Hazards Identification

Emergency Overview Non-Hazardous

Classification of the Product:

Label Elements Conforms to ASTM D-4236

Hazard Pictograms No pictograms are required for the mixture.

Signal Word No signal word is required.

Hazard Statement This product is non-hazardous, thus no specific hazard warning is

required

Precaution Statement: Do not ingest. Do not spray apply. Do not sand dry film. Wash

thoroughly after handling.

Children's Statement KEEP OUT OF THE REACH OF CHILDREN.

NFPA Health: 0

Flammability: 0 Reactivity: 0 Health: 0 Flammability: 0

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Physical Hazard: 0

Regulation (EC) No. 1272/2008 (CLP)

Not classified as dangerous for supply/use.

3. Composition/Information on Ingredients:

Substances:

HMIS

Mixture of the following chemicals: Proprietary Ingredients (Mixture) < 95%

Proprietary Pigment (Mixture) < 36%

Proprietary ingredients (Mixture) present at less than 95% are non-hazardous, thus no classification is required.

Regulation (EC) No. 1272/2008 (CLP)

Ingredients are marked according to CLP Regulation (CLP-Regulation (EC) No 1272/2008) and no workplace-related occupational exposure limits are specified for any of the listed ingredients. These ingredients are regarded as trade secrets.

4. First Aid Measures

Inhalation If affected, remove to fresh air.

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Non-Hazardous Colors

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Wash the affected area thoroughly with plenty of soap and Skin Contact water. **Eye Contact** Carefully flush with water for 15 minutes. If irritation occurs, contact a physician. Ingestion Do not induce vomiting. Contact a physician immediately. 5. Firefighting Measures **Extinguishing Media** Water, foam, carbon dioxide or dry chemical equipment. Fire/Explosion Hazards This product is not known to present any fire hazard. Flashpoint/Flammability Not flammable 6. Accidental Release Measures Methods and Materials for Containment and Contain spill. Recover as much as possible. Absorb remainder Cleaning up with an inert material. Place into closed container and store in a safe location to await disposal. Wash the spill area with soap and water. 7. Handling and Storage Safe Handling Use under ventilated conditions. Avoid eye and skin contact. For personal protection, we recommend that employees wash thoroughly after handling product. Always wash before eating, smoking or using toilet facilities. Keep container closed when not in use. Keep container upright to prevent leakage. **Environmental precautions** No product should be released to the environment. Keep container closed when not in use. Keep container upright to prevent leakage. Store between 50-100 deg. F., ideally 70 deg. F. Storage 8. Exposure Controls/Personal Protection Personal Protective Equipment Wear goggles where spills or splashing may occur. Wear water resistant impervious gloves if handling bulk amounts. **Exposure Limits** None known for this mixture. Wear approved NIOSH/MSHA respirator if exposure to mist or Respiratory and Ventilation vapor exceed applicable PEL/TLV limits. Use in accordance with manufacturer's use limitations and OSHA STANDARD 1910-34. Local ventilation may be used to prevent routine inhalation. Wear water resistant impervious gloves if handling bulk amounts. Skin Protection **Eye Protection** Wear goggles where spills or splashing may occur. 9. Physical and Chemical Properties Paste Appearance

| Physical State | Thick liquid |
|----------------|----------------|
| Color | Various |
| Odor | Not determined |
| Odor Threshold | Not determined |
| Boiling Point | Not determined |
| Freezing Point | Not determined |
| | |

M. Graham Co® Artist Oils

Non-Hazardous Colors

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State (pH) Not determined Specific Gravity Not determined

Viscosity Paste

Flashpoint Not flammable
Vapor Pressure Not applicable
Vapor Density Not applicable
Solubility in water Miscible

10. Stability and Reactivity

Reactivity: No dangerous reaction known under conditions of normal use.

Chemical Stability Stable under recommended storage conditions.

Conditions to Avoid None known. Incompatible materials None known.

Hazardous Decomposition Products No dangerous decomposition products known. Decomposition

products depend on conditions.

11. Toxicological Information

Studies have not been performed on this particular mixture (all colors). The information below is based on data on the individual hazardous ingredient.

When used and handled according to specifications, the product does not have any harmful effects.

Health Effects None known for the usual and ordinary uses of this product.

Acute Toxicity

Eye Effects

None known for this mixture.

Additional toxicological information: When used and handled according to specifications, the product

does not have any harmful effects according to past experience

and the information provided.

NTPNot applicable to mixtureIARCNot applicable to mixtureACGIHNot applicable to mixtureOSHANot applicable to mixture

12. Ecological Information

Toxicity: Not expected to be harmful to the environment. No product

should be released to the environment. It is not expected to have

significant environmental effects. No significant effects on

aquatic organisms are expected.

Aquatic toxicity

Persistence and degradability

Bioaccumulate potential

Mobility in soil

PBT and vPvB

No information available.

No information available.

No information available.

This mixture is not PBT/vPvB

M. Graham Co[®] Artist Oils Non-Hazardous Colors

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Additional ecological information

As a general rule, no product should be released to the environment. The product should not be allowed to enter drains, water courses, or be deposited where it can affect ground or surface water.

13. Disposal Considerations

Dispose of all waste material in accordance with all applicable federal, state and local regulations for the disposal of aqueous polymer waste.

14. Transport Information

This product is not hazardous for shipping via any mode.

This regulation does not apply to the non-bulk material.

IMDG
This regulation does not apply to the non-bulk material.

ICAO/IATA
This regulation does not apply to the non-bulk material.

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the materials.

15. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture.

SARA Not applicable to this mixture. Section 355 (extremely hazardous Not applicable to this mixture.

substances)

Section 313 (specific toxic chemical listing)

Not applicable to this mixture.

TSCA (Toxic Substance Control Act)

All ingredients are listed.

California Proposition 65 As of June 30, 2020, these products contains no listed substances

known to the State of California to cause cancer, birth defects or other reproductive harm, at concentrations which would require

a warning under the statute.

Only the products listed below contain chemicals listed under California Proposition 65. The statement above applies to the remaining products. Please refer to the product list on section 16.

⚠ WARNING: This product can expose you to chemicals including trace heavy metals, polychlorinated biphenyls which are known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Product No.: 015, 017, 018, 087, 100, 103, 104, 106, 114, 121, 130, 131, 150, 157, 174, 176, 180, 181, 185, 186, 187, 188, 189, 193, 195, 198, 205

WARNING: This product can expose you to chemicals including ethylene glycol which are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Carcinogenicity categories Not applicable to this mixture. EPA (Environmental Protection Agency) Not applicable to this mixture.

M. Graham Co® Artist Oils

Non-Hazardous Colors

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TLV (Threshold Limit Value established by

ACGIH)

Not applicable to this mixture. Refer to section 8 for further information on individual substances of this mixture.

Not applicable to this mixture.

NIOSH (National Institute for Occupational

Safety & Health)

OSHA (Occupational Safety & Health

Administration)

MAK (German Maximum Workplace

Concentration)

Not applicable to this mixture.

Not applicable to this mixture.

16. Other Information

Product List

Product No. & Color Description

087 Chrom Tin Yellow

010 Alizarin Crimson

012 Anthraquinone Blue

014 Anthraquinone Red

015 Azo Coral

016 Azo Green

017 Azo Orange

018 Azo Yellow

019 Bismuth Yellow

020 Burnt Sienna

030 Burnt Umber

075 Chroma Black

086 ChromOx Green

098 Cobalt Turquoise

100 Dioxazine Purple

103 Emerald Green

104 Green Earth

107 Hansa Yellow

106 Hansa Yellow Deep

109 Indian Yellow

110 Ivory Black

112 Lamp Black

114 Manganese Blue

113 Maroon Perylene

115 Mars Black

116 Mineral Violet

120 Naphthol Red

121 Naples Yellow

125 Olive Green

128 Paynes Gray

130 Permanent Green Light

131 Permanent Green Pale

140 Phthalocyanine Blue

141 Phthalocyanine Blue Red

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150 Phthalocyanine Green

151 Phthalocyanine Green Yellow

153 Prussian Blue

154 Pyrrol Red

155 Quinacridone Red

156 Quinacridone Rose

157 Quinacridone Rust

158 Quinacridone Violet

160 Raw Sienna

170 Raw Umber

174 Sap Green

176 Scarlet Pyrrol

179 Terra Rosa

180 Titanium White

185 Titanium White Fast Dry

181 Titanium White Sunflower

186 Transparent Orange Iron Oxide

187 Transparent Red Iron Oxide

188 Transparent Yellow Iron Oxide

189 Turquoise

190 Ultramarine Blue

192 Ultramarine Purple

193 Ultramarine Violet

194 Van Dyke Brown

134 Vall Dyke bi

195 Viridian

198 Warm White

200 Yellow Ochre

205 Zinc White

Reason for Issue: NEW SDS

Prepared by: Rudolph J. Jaeger, Ph.D., DABT, ERT (UK)

Chief Toxicologist and President ENVIRONMENTAL MEDICINE, INC.

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The information contained in this Safety Data Sheet was compiled using the latest and most reliable information available to the preparer from the manufacturer. The information is provided without any warranty, express or implied regarding its correctness or accuracy nor will the manufacturer assume any liability for any loss or damage arising out of the use of this information including without limitation direct or indirect losses or expenses. To the extent permitted by law, no warranty expressed or implied regarding the product described herein shall be created by or inferred from any state or omission for this SDS. It is solely the responsibility of the user to determine safe conditions for use of this product and to assume liability for any loss, damage or expense whatsoever arising out of the product's improper use.

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Abbreviations and acronyms:

NFPA (SCALE 0-4) National Fire Protection

Association (USA)

Health: 0 No unusual hazard. Fire: 0 No combustible.

Reactivity: 0 Not reactive when mixed with water.

HMIS (SCALE 0-4) Hazardous Materials

Identification System (USA) Health: 0

Fire: 0

Physical Hazard: 0

Minimal Hazard. No significant risk to health. **Minimal Hazard.** Materials that will not burn.

Minimal Hazard. Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-explosives.

Exposure Limits

TWA - Time Weighted Average (8 hr.)

STEL - Short Time Exposure Limit (15 min.)

REL - Recommended Exposure Limit

PEL - Permissible Exposure Limit

IDLH - Immediately Dangerous to Life or

Health

M. Graham Co® Artist Oils

Colors Containing Hazardous Compounds

1. Identification of the Preparation and of The Company

Product Name and/or code: M. Graham Co® Artist Oils

Effective Date: 31-Aug-20

Manufacturer: M Graham & Co
PO Box 404

Hubbard OR 97032

Information Contact: 503-656-6761

Emergency Contact: Poison Control Center 800-822-1222

Product Use: ART MATERIAL - CONSUMER PRODUCT. Artist professional

products, pigment dispersions and mediums. For application with brush to a substrate. Not intended for spray application, sanding,

or other operations which generate dust or airborne

concentrations.

2. Hazards Identification

Emergency Overview

Warning! Harmful if swallowed. Harmful or fatal if ingested. May cause skin irritation and allergic reaction.

Classification of the Product:

Label Elements Conforms to ASTM D-4236

Hazard Pictograms







GHS08

GHS07 GHS

Signal Word WARNING!

Hazard Statement <u>Colors containing Cadmium and Cadmium compounds (Pigment</u>

mixture): Cancer hazard. Dried film of this paint may be harmful if

eaten or chewed. Harmful if swallowed.

<u>Colors containing Cobalt and Cobalt compounds (Pigment mixture):</u>
Cancer hazard. Dried film of this paint maybe harmful if eaten or

chewed. Harmful if ingested.

Colors containing Nickel and Nickel compounds (Pigment mixture):

May cause skin irritation and allergic reaction.

Precaution Statement: Do not ingest. Do not expose to direct flame. Handle with care.

Avoid eye and skin contact. Wash thoroughly after handling. Do not

eat or smoke while using this product. Wear gloves. Use with

adequate ventilation.

Children's Statement KEEP OUT OF THE REACH OF CHILDREN.

NFPA Health: 3 - Cadmium 2 - Cobalt, Nickel.

Flammability: 0 Reactivity : 0 Health : 2

Flammability: 0

Physical Hazard: 0

Regulation (EC) No. 1272/2008 (CLP)

HMIS

Studies have not been performed on this particular mixture. The information below is based on data on the individual hazardous ingredient.

M. Graham Co® Artist Oils

Colors Containing Hazardous Compounds

Cadmium Compounds: May cause cancer (H330); Causes damage to organs through prolonged or repeated exposure (H372); Suspected of causing genetic effects (H341); Suspected of damaging fertility or the unborn child (H361); May cause respiratory irritation (H335); Toxic if swallowed (H301); Very toxic to aquatic life with long lasting effects (H410).

Cobalt Compounds: May cause cancer by inhalation (H350); May cause an allergic reaction (H317); May cause an allergic or asthma symptoms or breathing difficulties if inhaled (H334); May cause long lasting harmful effects to aquatic life (H413).

Nickel Compounds: Suspected of causing cancer (H351); May cause an allergic reaction (H317); May cause an allergic or asthma symptoms or breathing difficulties if inhaled (H334); Harmful to aquatic life with long lasting effects (H412).

Obtain special instructions before use. (P201)

Avoid breathing dust/fume/gas/mist/vapors/spray. (P201)

3. Composition/Information on Ingredients:

Substances:

Mixture of the following chemicals: Proprietary Ingredients (Mixture) < 98%

Proprietary Pigment (Mixture) < 25%

Proprietary Cobalt Pigment (Mixture) < 23%
Proprietary Cadmium Pigment (Mixture) < 19 %

Proprietary Nickel Pigment (Mixture) <11%

Regulation (EC) No. 1272/2008 (CLP)

Ingredients are marked according to CLP Regulation (CLP-Regulation (EC) No 1272/2008) and no workplace-related occupational exposure limits are specified for any of the listed ingredients. These ingredients are regarded as trade secrets.

| | 4. First Aid Measures |
|-------------------------|--|
| Inhalation | If affected, remove to fresh air. If symptoms persists, contact a |
| | physician. May cause an allergic or asthma symptoms or breathing |
| | difficulties if inhaled, if symptoms persist, contact a physician. |
| Skin Contact | Wash the affected area thoroughly with plenty of soap and water. |
| | May cause an allergic reaction, if symptoms persist, contact a |
| | physician. |
| Eye Contact | Carefully flush with water for 15 minutes, lifting the upper and |
| | lower lids until no evidence of product remains. If irritation occurs, |
| | contact a physician. |
| Ingestion | Do not induce vomiting. Contact a physician immediately. Rinse |
| | mouth with water. Ingested cadmium or nickel may lead to |
| | spontaneous vomiting. |
| | 5. Firefighting Measures |
| Extinguishing Media | Water, foam, carbon dioxide or dry chemical equipment. |
| Fire/Explosion Hazards | This product is not known to present any fire hazard. |
| Flashpoint/Flammability | This product is not known to be flammable. |

M. Graham Co® Artist Oils

Colors Containing Hazardous Compounds

6. Accidental Release Measures

Methods and Materials for Containment and Cleaning up

Contain spill. Recover as much as possible. Absorb remainder with an inert material. Place into closed container and store in a safe location to await disposal. Wash the spill area with soap and water.

7. Handling and Storage

Safe Handling

Use under ventilated conditions. Avoid eye and skin contact. For personal protection, we recommend that employees wash thoroughly after handling product. Always wash before eating, smoking or using toilet facilities. Keep container closed when not in use. **Keep container upright to prevent leakage.**

Environmental precautions

No product should be released to the environment. Keep container closed when not in use. Keep container upright to prevent leakage.

Storage

Keep the product in a cool dry ventilated area. Keep away from fire and heating sources. Store between 50-100 deg. F., ideally 70 deg. F.

8. Exposure Controls/Personal Protection

Personal Protective Equipment

Wear goggles where spills or splashing may occur. Wear water resistant impervious gloves if handling bulk amounts.

Exposure Limits

Eye Protection

| OSHA PEL | | NIOSH REL | ACGHI TLV | |
|-------------------------------|--|--|--|--|
| Substance | 8 hr TWA | Up to 10-hour TWA | 8-hour TWA | |
| | (ST) STEL (c)Ceiling | | | |
| Cadmium Dust | 0.2 mg/m ³ ; 0.6 mg/m ³ (Acceptable Ceiling) | *IDHL : None established; NIOSH considers cadmium compounds to be | Refer to Cadmium | |
| Cadmium Fume | 0.1 mg/m ³ ; 0.3 mg/m ³ (Acceptable Ceiling) | potential occupational carcinogens as defined by the OSHA carcinogen policy [29 CFR 1990]. | Refer to Cadmium | |
| Cadmium compounds | 0.005 mg/m ³ | | 0.01mg/m ³ (total 0.002 mg/m ³ (resp) | |
| Cobalt Metal Dust and Fume | 0.02 mg/m ³ | 0.05 mg/m ³ | 0.02 mg/m ³ (IHL) | |
| Nickel, Soluble compounds | 0.05 mg/m ³ | Ca 0.0015 mg/m ³ | Soluble inorganic compounds: 0.1 mg/m³ (IHL) | |

Respiratory and Ventilation Wear approved NIOSH/MSHA respirator if exposure to mist or

vapor exceed applicable PEL/TLV limits. Use in accordance with manufacturer's use limitations and OSHA STANDARD 1910-34. Local

ventilation may be used to prevent routine inhalation.

Skin Protection Wear water resistant impervious gloves if handling bulk amounts.

Wear goggles where spills or splashing may occur.

9. Physical and Chemical Properties

Appearance Paste
Physical State Thick liquid
Color Various

M. Graham Co® Artist Oils

Colors Containing Hazardous Compounds

Odor Not determined
Odor Threshold Not determined
Boiling Point Not determined
Freezing Point Not determined
State (pH) Not determined
Specific Gravity Not determined

Viscosity Paste

Flashpoint Not flammable
Vapor Pressure Not applicable
Vapor Density Not applicable
Solubility in water Miscible

10. Stability and Reactivity

Reactivity: No dangerous reaction known under conditions of normal use.

Chemical Stability Stable under recommended storage conditions.

Conditions to Avoid Avoid creating or accumulating dusts. Keep away from direct

sunlight. Avoid high temperatures.

Incompatible materials Strong oxidizing agents; acids.

Hazardous Decomposition Products May give off toxic fumes is case of fire, including lead fumes.

Decomposition products depend on conditions.

11. Toxicological Information

Analytical Studies have not been performed on this particular mixture (all colors). The information below is based on data and toxicological review on the individual hazardous ingredients, proprietary ingredients and mode of application.

When used and handled according to specifications, the product does not have any harmful effects.

Health Effects Dried film of this paint may be harmful if eaten or chewed.

Acute Toxicity - The toxicity values listed below are based on published literature values for the pure components.

Acute Toxicity None known for this mixture.

Cadmium - Oral: LD50 (Rat): 225 mg/kg LD50 (Mouse): 890 mg/kg

Cadmium - Dermal: Not Available

Cadmium - Inhalation: LC50 (Rat): 25 mg/kg - 30 mins

Cobalt - Oral: LD50 (Rat): 6,170 mg/kg

Cobalt - Dermal: Not Available

Cobalt - Inhalation: LC50 (Rat): 10 mg/kg - 1 hour

Nickel - Oral: LD50 (Rat): 9,000 mg/kg

Nickel - Dermal: Not Available Nickel - Inhalation: Not Available

Eye Effects This product is not considered as being an eye irritant. Direct

contact with eye may cause mild eye irritation. This product is not a

primary skin irritant.

Pigment mixture compounds: May cause irritation or redness.

Skin Effects Direct contact with skin may result in little or no irritation.

Prolonged contact with skin may cause an allergic reaction. This

product is not a primary skin irritant.

M. Graham Co® Artist Oils

Colors Containing Hazardous Compounds

Pigment mixture compounds: Prolonged contact may cause

irritation or redness.

Inhalation May cause mild respiratory irritation at higher temperatures.

Pigment mixture compounds: Overexposure or prolonged exposure

may be harmful.

Sensitization Not likely to occur.

Ingestion Harmful if swallowed. May cause irritation of mouth, throat, and

stomach. May result in nausea and vomiting.

Chronic Effects When used and handled according to specifications, the product

does not have any harmful effects. None known or reported by

the manufacturer.

Cadmium compounds

NTPKnown to be human carcinogenIARCGroup 1: Carcinogenic to humansACGIHA2: Suspected human carcinogen

Listed

Cobalt compounds

NTP Reasonably anticipated to be a human carcinogen

IARC Group 2B: Possible carcinogenic to humans

ACGIH A3: Confirmed animal carcinogen

OSHA Listed

Nickel compounds

NTP Reasonably anticipated to be a human carcinogen

IARC Group 2B: Possible carcinogenic to humans

ACGIH Not listed OSHA Listed

12. Ecological Information

Toxicity: Not expected to be harmful to the environment. No product should

be released to the environment. It is not expected to have

significant environmental effects. No significant effects on aquatic

organisms are expected.

Aquatic toxicity

Persistence and degradability

Bioaccumulate potential

Mobility in soil

Persistent, Bioaccumulate and Toxic (PBT)

Very Persistent and Very Bioaccumulate

No information available for this mixture.

(vPvB)

OSHA

Additional ecological information As a general rule, no product should be released to the

environment. The product should not be allowed to enter drains, water courses, or be deposited where it can affect ground or

surface water.

When used and handled according to specifications, the product does not have any harmful effects according to past experience and the information provided.

M. Graham Co® Artist Oils

Colors Containing Hazardous Compounds

13. Disposal Considerations

Dispose of all waste material in accordance with all applicable federal, state and local regulations for the disposal of aqueous polymer waste. Outside North America, all relevant national and local legislation must be complied with.

14. Transport Information

Art Material - CONSUMER PRODUCT

This regulation does not apply to the non-bulk material.

IMDG
This regulation does not apply to the non-bulk material.

ICAO/IATA
This regulation does not apply to the non-bulk material.

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the materials.

15. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture.

SARA Not applicable to this mixture.

Section 355 (extremely hazardous Not applicable to this mixture.

substances)

Section 313 (specific toxic chemical listing)

Not applicable to this mixture.

TSCA (Toxic Substance Control Act)

All ingredients are listed.

California Proposition 65

WARNING: This product can expose you to chemicals including cadmium, cadmium compounds, cobalt, cobalt compounds, nickel, nickel compounds and trace heavy metals, which are known to the State of California to cause cancer, and which are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Carcinogenicity categories Refer to section 11

EPA (Environmental Protection Agency)

Not applicable to this mixture.

TLV (Threshold Limit Value established by Not applicable to this mixture. Refer to section 8 for further

ACGIH) information on individual substances of this mixture.

NIOSH (National Institute for Occupational Not applicable to this mixture.

- 1

Safety & Health)

OSHA (Occupational Safety & Health Not applicable to this mixture.

Administration)

MAK (German Maximum Workplace Not applicable to this mixture.

Concentration)

16. Other Information

Product List

Product No. & Color Description

038 Cadmium Orange040 Cadmium Red045 Cadmium Red Deep050 Cadmium Red Light

060 Cadmium Yellow

M. Graham Co® Artist Oils

Colors Containing Hazardous Compounds

063 Cadmium Yellow Deep 070 Cadmium Yellow Light 124 Nickel Quin Gold 123 Nickel Azo Yellow 080 Cerulean Blue 090 Cobalt Blue 095 Cobalt Green 097 Cobalt Teal

Reason for Issue: **NEW SDS**

Prepared by: Rudolph J. Jaeger, Ph.D., DABT, ERT (UK)

> Chief Toxicologist and President ENVIRONMENTAL MEDICINE, INC.

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Abbreviations and acronyms:

NFPA (SCALE 0-4) National Fire Protection

Association (USA)

Health: 3 Warning - Corrosive or toxic. Avoid skin contact or inhalation.

Health: 2 Warning - May be harmful if inhaled or absorbed.

No combustible. Fire: 0

Not reactive when mixed with water. Reactivity: 0

HMIS (SCALE 0-4) Hazardous Materials Identification System (USA)

Health: 2

Physical Hazard: 0 Minimal Hazard. Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose,

condense, or self-react. Non-explosives.

Slight Hazard. Materials that will not burn.

Moderate Hazard. Temporary or minor injury may occur.

Exposure Limits

TWA - Time Weighted Average (8 hr.)

STEL - Short Time Exposure Limit (15 min.)

REL - Recommended Exposure Limit

PEL - Permissible Exposure Limit

IDLH - Immediately Dangerous to Life or

Health

Fire: 0

M. Graham Co® Walnut Oil

1. Identification of the Preparation and of The Company

Product Name and/or code: M. Graham Co® Walnut Oil Effective Date: 10/30/2020 Revised 3/24/2023

Manufacturer: M Graham & Co

PO Box 404

Hubbard OR 97032

Information Contact: 503-656-6761

Emergency Contact: Poison Control Center 800-822-1222

Product Use: ART MATERIAL - CONSUMER PRODUCT. Artist professional

products and mediums. For application with brush to a

substrate. Not intended for spray application, sanding, or other operations which generate dust or airborne concentrations.

2. Hazards Identification

Emergency Overview Non-Hazardous

Classification of the Product:

Label Elements Conforms to ASTM D-4236

Hazard Pictograms No pictograms are required for the mixture.

Signal Word No signal word is required.

Hazard Statement This product is non-hazardous, thus no specific hazard warning is

required.

Precaution Statement: To avoid spontaneous combustion during temporary storage,

soak soiled rags and waste immediately after use in a waterfilled, closed metal container. Wash thoroughly after handling.

Children's Statement KEEP OUT OF THE REACH OF CHILDREN.

NFPA Health: 0

Flammability: 0 Reactivity : 0 Health : 0

Flammability: 0
Physical Hazard: 0

Regulation (EC) No. 1272/2008 (CLP)

Not classified as dangerous for supply/use.

3. Composition/Information on Ingredients:

Substances:

HMIS

Mixture of the following chemicals: Proprietary Ingredients (Mixture)

Proprietary ingredients (Mixture) present at less than 100% are non-hazardous, thus no hazard classification is required.

Regulation (EC) No. 1272/2008 (CLP)

Ingredients are marked according to CLP Regulation (CLP-Regulation (EC) No 1272/2008) and no workplace-related occupational exposure limits are specified for any of the listed ingredients. These ingredients are regarded as trade secrets.

M. Graham Co® Walnut Oil

| | 4. First Aid Measures |
|--|--|
| Inhalation | If affected, remove to fresh air. |
| Skin Contact | Wash the affected area thoroughly with plenty of soap and |
| | water. |
| Eye Contact | Carefully flush with water for 15 minutes. If irritation occurs, |
| Lyc contact | contact a physician. |
| Ingestion | Do not induce vomiting. Contact a physician immediately. |
| | 20 not made vormang, contact a physician infinitiality. |
| 5. | Firefighting Measures |
| Extinguishing Media | Water, foam, carbon dioxide or dry chemical equipment. |
| Fire/Explosion Hazards | This product is not known to present any fire hazard. |
| Flashpoint/Flammability | Not flammable. |
| 6. Acc | cidental Release Measures |
| Methods and Materials for Containment and | Spills may produce slippery conditions. Contain spill. Recover as |
| Cleaning up | much as possible. Absorb remainder with an inert material. Place |
| | into closed container and store in a safe location to await |
| | disposal. Wash the spill area with soap and water. |
| 7 | . Handling and Storage |
| Safe Handling | Use under ventilated conditions. Avoid eye and skin contact. For |
| care mananing | personal protection, we recommend that employees wash |
| | thoroughly after handling product. Always wash before eating, |
| | smoking or using toilet facilities. Keep container closed when not |
| | in use. Keep container upright to prevent leakage. |
| | doe. neep container apright to prevent leakage. |
| Environmental precautions | No product should be released to the environment. Keep |
| , | container closed when not in use. Keep container upright to |
| | prevent leakage. |
| Storage | Store between 50-100 deg. F., ideally 70 deg. F. Avoid fire, |
| <u>-</u> | flames and strong oxidizers. |
| 8. Exposur | e Controls/Personal Protection |
| Personal Protective Equipment | Wear goggles where spills or splashing may occur. Wear water |
| | resistant impervious gloves if handling bulk amounts. |
| Evnosuro Limito | None known for this mixture. |
| Exposure Limits Pospiratory and Ventilation | |
| Respiratory and Ventilation | Wear approved NIOSH/MSHA respirator if exposure to mist or |
| | vapor exceed applicable PEL/TLV limits. Use in accordance with manufacturer's use limitations and OSHA STANDARD 1910-34. |
| | |
| | Local ventilation may be used to prevent routine inhalation. |
| Skin Protection | Wear water resistant impervious gloves if handling bulk |
| | amounts. |
| Eye Protection | Wear goggles where spills or splashing may occur. |
| , | 5 55 |

M. Graham Co® Walnut Oil

| 9. Physical and Chemical Propertie | 9. 1 | Physical | vsical and | d Chemical | Properties |
|------------------------------------|------|----------|------------|------------|------------|
|------------------------------------|------|----------|------------|------------|------------|

Appearance Liquid
Physical State Liquid
Color Light amber
Odor Not determined
Odor Threshold Not determined
Boiling Point Not determined
Freezing Point Not determined

State (pH) 7.0

Specific Gravity Not determined Viscosity Free Flowing

Flashpoint Greater than 300 °F
Vapor Pressure Not applicable
Vapor Density Not determined
Relative Density Not determined
Solubility in water Not soluble

10. Stability and Reactivity

Reactivity: No dangerous reaction known under conditions of normal use.

Spontaneous combustion can occur in oil soaked rags and other

materials containing oil and exposed to air.

Chemical Stability Stable under recommended storage conditions.

Conditions to Avoid None known. Incompatible materials None known.

Hazardous Decomposition Products No dangerous decomposition products known. Decomposition

products depend on conditions.

11. Toxicological Information

Studies have not been performed on this particular mixture.

When used and handled according to specifications, the product is not expected to have any harmful effects.

Health Effects None known for the usual and ordinary uses of this product.

Acute Toxicity

Eye Effects

None known for this mixture.

Skin Effects

None known for this mixture.

Chronic Effects

None known for this mixture.

Additional toxicological information: When used and handled according to specifications, the product

is not expected to have any harmful effects according to past

experience and the information provided.

Not applicable to mixture.

IARC Not applicable to mixture.

M. Graham Co® Walnut Oil

ACGIH Not applicable to mixture.

OSHA Not applicable to mixture.

12. Ecological Information

Toxicity: Not expected to be harmful to the environment. No product

should be released to the environment. It is not expected to have significant environmental effects. No significant effects on

aquatic organisms are expected.

Aquatic toxicity

Persistence and degradability

Bioaccumulate potential

Mobility in soil

PBT and vPvB

No information available.

No information available.

No information available.

This mixture is not PBT/vPvB

Additional ecological information As a general rule, no product should be released to the

environment. The product should not be allowed to enter drains, water courses, or be deposited where it can affect ground or

surface water.

13. Disposal Considerations

Dispose of all waste material in accordance with all applicable federal, state and local regulations for the disposal of aqueous polymer waste.

14. Transport Information

This product is not hazardous for shipping via any mode.

This regulation does not apply to the non-bulk material.

IMDG
This regulation does not apply to the non-bulk material.

ICAO/IATA
This regulation does not apply to the non-bulk material.

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the materials.

15. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture.

SARA Not applicable to this mixture.

Section 355 (extremely hazardous substances) Not applicable to this mixture.

Section 313 (specific toxic chemical listing) Not applicable to this mixture.

TSCA (Toxic Substance Control Act)

All ingredients are listed.

California Proposition 65 As of March 24, 2023 this product contains no listed substances

known to the State of California to cause cancer, birth defects or other reproductive harm, at concentrations which would require

a warning under the statute.

Carcinogenicity categories Not applicable to this mixture. EPA (Environmental Protection Agency) Not applicable to this mixture.

M. Graham Co® Walnut Oil

TLV (Threshold Limit Value established by

ACGIH)

Not applicable to this mixture.

Not applicable to this mixture.

NIOSH (National Institute for Occupational

Safety & Health)

OSHA (Occupational Safety & Health

Administration)

MAK (German Maximum Workplace

Concentration)

Not applicable to this mixture.

Not applicable to this mixture.

| 16. Other Information | | |
|-----------------------|-----------------------------------|--|
| Product List | | |
| | Product No. & Product Description | |
| | 42-410 Walnut Oil | |
| | 61-410 Walnut Oil | |
| | 81-410 Walnut Oil | |

Reason for Issue: **New SDS**

ENVIRONMENTAL MEDICINE, INC. Prepared by:

> 778 Carver Avenue WESTWOOD, NJ 07675 jaegerr@envmed.com 201-666-7929 x13

The information contained in this Safety Data Sheet was compiled using the latest and most reliable information available to the preparer from the manufacturer. The information is provided without any warranty, express or implied regarding its correctness or accuracy nor will the manufacturer assume any liability for any loss or damage arising out of the use of this information including without limitation direct or indirect losses or expenses. To the extent permitted by law, no warranty expressed or implied regarding the product described herein shall be created by or inferred from any state or omission for this SDS. It is solely the responsibility of the user to determine safe conditions for use of this product and to assume liability for any loss, damage or expense whatsoever arising out of the product's improper use.

Abbreviations and acronyms:

NFPA (SCALE 0-4) National Fire Protection

Association (USA)

No unusual hazard. Health: 0 No combustible. Fire: 0

Not reactive when mixed with water. Reactivity: 0

HMIS (SCALE 0-4) Hazardous Materials

Identification System (USA)

Health: 0 Minimal Hazard. No significant risk to health. Fire: 0 Minimal Hazard. Materials that will not burn.

Physical Hazard: 0 Minimal Hazard. Materials that are normally stable, even under

> fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-explosives.

M. Graham Co[®] Walnut Alkyd Medium

1. Identification of the Preparation and of The Company

Product Name and/or code: M. Graham Co Walnut Alkyd Medium **Effective Date:** 10/30/2020 Revised 12/22/2023

Manufacturer: M Graham & Co

PO Box 404

Hubbard OR 97032

503-656-6761 Information Contact:

Poison Control Center 800-822-1222 **Emergency Contact:**

Product Use: ART MATERIAL - CONSUMER PRODUCT. Artist professional

products and mediums. For application with brush to a

substrate. Not intended for spray application, sanding, or other operations which generate dust or airborne concentrations.

2. Hazards Identification

Emergency Overview Non-Hazardous

Classification of the Product:

Label Elements Conforms to ASTM D-4236

Hazard Pictograms No pictograms are required for the mixture.

Signal Word No signal word is required.

Hazard Statement This product is non-hazardous, thus no specific hazard warning is

required.

Precaution Statement: To avoid spontaneous combustion during temporary storage,

> soak soiled rags and waste immediately after use in a waterfilled, closed metal container. Wash thoroughly after handling.

Children's Statement KEEP OUT OF THE REACH OF CHILDREN.

NFPA Health: 0

> Flammability: 0 Reactivity: 0 Health: 0 Flammability: 0

Physical Hazard: 0

Regulation (EC) No. 1272/2008 (CLP) Not classified as dangerous for supply/use.

3. Composition/Information on Ingredients:

Substances:

HMIS

Mixture of the following chemicals: Proprietary Ingredients (Mixture)

Proprietary ingredients (Mixture) present at less than 100% are non-hazardous, thus no hazard classification is required.

Regulation (EC) No. 1272/2008 (CLP)

Ingredients are marked according to CLP Regulation (CLP-Regulation (EC) No 1272/2008) and no workplace-related occupational exposure limits are specified for any of the listed ingredients. These ingredients are regarded as trade secrets.

4. First Aid Measures

If affected, remove to fresh air. Inhalation

M. Graham Co[®] Walnut Alkyd Medium

Skin Contact Wash the affected area thoroughly with plenty of soap and

water.

Eye Contact Carefully flush with water for 15 minutes. If irritation occurs,

contact a physician.

Ingestion Do not induce vomiting. Contact a physician immediately.

| | FII C | יעוו | 411111 | IVIEASULES |
|---|-------|------|--------|------------|
| • | | о. | | Measures |

Extinguishing Media Water, foam, carbon dioxide or dry chemical equipment. Fire/Explosion Hazards This product is not known to present any fire hazard.

Flashpoint/Flammability Not flammable.

6. Accidental Release Measures

Methods and Materials for Containment and Cleaning up

Contain spill. Recover as much as possible. Absorb remainder with an inert material. Place into closed container and store in a safe location to await disposal. Wash the spill area with soap and water.

7. Handling and Storage

Safe Handling

Use under ventilated conditions. Avoid eye and skin contact. For personal protection, we recommend that employees wash thoroughly after handling product. Always wash before eating, smoking or using toilet facilities. Keep container closed when not in use. Keep container upright to prevent leakage.

Environmental precautions

No product should be released to the environment. Keep container closed when not in use. Keep container upright to prevent leakage.

Storage

Store between 50-100 deg. F., ideally 70 deg. F. Avoid fire,

flames and strong oxidizers.

8. Exposure Controls/Personal Protection

Personal Protective Equipment

Wear goggles where spills or splashing may occur. Wear water resistant impervious gloves if handling bulk amounts.

Exposure Limits

None known for this mixture.

Respiratory and Ventilation

Wear approved NIOSH/MSHA respirator if exposure to mist or vapor exceed applicable PEL/TLV limits. Use in accordance with manufacturer's use limitations and OSHA STANDARD 1910-34. Local ventilation may be used to prevent routine inhalation.

Skin Protection

Wear water resistant impervious gloves if handling bulk

amounts.

Eye Protection Wear goggles where spills or splashing may occur.

9. Physical and Chemical Properties

Appearance Liquid
Physical State Liquid
Color Light amber
Odor Not determined
Odor Threshold Not determined

M. Graham Co® Walnut Alkyd Medium

Boiling Point Not determined Freezing Point Not determined

State (pH) 8.0

Specific Gravity

Viscosity

Flashpoint

Not determined

Free Flowing

215 °F

Vapor PressureNot applicableVapor DensityNot determinedSolubility in waterNot soluble

10. Stability and Reactivity

Reactivity: No dangerous reaction known under conditions of normal use.

Spontaneous combustion can occur in oil soaked rags and other

materials containing oil and exposed to air.

Chemical Stability Stable under recommended storage conditions.

Conditions to Avoid None known. Incompatible materials None known.

Hazardous Decomposition Products No dangerous decomposition products known. Decomposition

products depend on conditions.

11. Toxicological Information

Studies have not been performed on this particular mixture.

When used and handled according to specifications, the product is not expected to have any harmful effects.

Health Effects None known for the usual and ordinary uses of this product.

Acute Toxicity

Eye Effects

None known for this mixture.

Skin Effects

None known for this mixture.

Chronic Effects

None known for this mixture.

Additional toxicological information: When used and handled according to specifications, the product

is not expected to have any harmful effects according to past

experience and the information provided.

NTPNot applicable to mixture.IARCNot applicable to mixture.ACGIHNot applicable to mixture.OSHANot applicable to mixture.

12. Ecological Information

Toxicity: Not expected to be harmful to the environment. No product

should be released to the environment. It is not expected to have significant environmental effects. No significant effects on

aquatic organisms are expected.

Aquatic toxicity No information available. Persistence and degradability No information available.

Page 4 of 5

M. Graham Co[®] Walnut Alkyd Medium

Bioaccumulate potential

Mo information available.

Mobility in soil

PBT and vPvB

No information available.

This mixture is not PBT/vPvB.

Additional ecological information As a general rule, no product should be released to the

environment. The product should not be allowed to enter drains, water courses, or be deposited where it can affect ground or

surface water.

13. Disposal Considerations

Dispose of all waste material in accordance with all applicable federal, state and local regulations for the disposal of aqueous polymer waste.

14. Transport Information

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This regulation does not apply to the non-bulk material.

IMDG
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ICAO/IATA
This regulation does not apply to the non-bulk material.

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15. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture.

SARA Not applicable to this mixture. Section 355 (extremely hazardous substances) Not applicable to this mixture.

Section 313 (specific toxic chemical listing) Not applicable to this mixture.

TSCA (Toxic Substance Control Act)

All ingredients are listed.

California Proposition 65 As of December 22, 2023 this product contains no listed

substances known to the State of California to cause cancer, birth defects or other reproductive harm, at concentrations

which would require a warning under the statute.

Carcinogenicity categories Not applicable to this mixture.

EPA (Environmental Protection Agency)

Not applicable to this mixture.

TLV (Threshold Limit Value established by

Not applicable to this mixture.

ACGIH)

NIOSH (National Institute for Occupational

Safety & Health)

Not applicable to this mixture.

OSHA (Occupational Safety & Health Not app

Administration)

Not applicable to this mixture.

MAK (German Maximum Workplace

Concentration)

Not applicable to this mixture.

M. Graham Co® Walnut Alkyd Medium

| 16. Other Information | |
|-----------------------|---------------------|
| Product List | |
| Product No. | Product Description |
| 42-420 | Alkyd Medium |
| 61-420 | Alkyd Medium |
| 81-420 | Alkyd Medium |
| 91-420 | Alkyd Medium |

Reason for Issue: New SDS

Prepared by: ENVIRONMENTAL MEDICINE, INC.

778 Carver Avenue WESTWOOD, NJ 07675 jaegerr@envmed.com 201-666-7929 x13

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Abbreviations and acronyms:

NFPA (SCALE 0-4) National Fire Protection

Association (USA)

Health: 0 No unusual hazard. Fire: 0 No combustible.

Reactivity: 0 Not reactive when mixed with water.

HMIS (SCALE 0-4) Hazardous Materials

Identification System (USA)

Health: 0 Minimal Hazard. No significant risk to health.

Fire: 0 Minimal Hazard. Materials that will not burn.

Physical Hazard: 0 Minimal Hazard. Materials that are normally stable, even under

fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-explosives.