

M. Graham & Co.

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Date Revised: 1/1/13
Emergency Telephone:
Contact Local Poison Control Center

SECTION 1---PRODUCT IDENTIFICATION**A consumer product.**

Artists' Professional Watercolor and Gouache pigment dispersions. For application with brush to a substrate. Not intended for spray application, sanding or other operations which generate dust or airborne concentrations. Not intended for use by children.

M. GRAHAM & CO. WATERCOLOR & GOUACHEColors

Alizarin Crimson, Anthraquinone Blue, Azo Green, Azo Orange, Azo Yellow, Bismuth Yellow, Burnt Sienna, Burnt Umber, Cadmium Orange, Cadmium Red, Cadmium Red Deep, Cadmium Red Light, Cadmium Yellow, Cadmium Yellow Deep, Cadmium Yellow Light, Celtic Green, Cerulean Blue, Cerulean Blue Deep, Chinese White, Cobalt Blue, Cobalt Green, Cobalt Teal, Cobalt Violet, Dioxazine Purple, Gamboge, Hansa Yellow Deep, Hansa Yellow, Highland Green, Hooker's Green, Indian Yellow, Ivory Black, Lamp Black, Maroon Perylene, Manganese Blue Hue, Mineral Violet, Naphthol Red, Naples Yellow, Neutral Tint, Nickel Azo Yellow, Nickel Quinacridone Gold, Olive Green, Payne's Gray, Permanent Alizarin, Permanent Green Light, Permanent Green Pale, Phthalocyanine Blue, Phthalocyanine Blue Red Shade, Phthalocyanine Green, Phthalocyanine Green Yellow Shade, Prussian Blue, Pyrrol Red, Quinacridone Red, Quinacridone Rose, Quinacridone Rust, Quinacridone Violet, Raw Sienna, Raw Umber, Sap Green, Scarlet Pyrrol, Sepia, Tartan Blue, Titanium White, Terra Rosa, Titanium White Opaque, Transparent Orange Iron Oxide, Transparent Red Iron Oxide, Transparent Yellow Iron Oxide, Turquoise, Ultramarine Blue, Ultramarine Pink, Ultramarine Violet, Ultramarine Violet Deep, Viridian, Yellow Ochre, Zinc White

SECTION 2---HEALTH HAZARD DATA

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: None expected under normal use.

EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Prolonged or repeated contact maybe irritating to eyes.

SKIN CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Prolonged or repeated contact may be irritating to skin.

INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: May cause irritation or pain to gastrointestinal system.

CARCINOGENICITY: Certain components of some pigments may be linked to carcinogenic response in animal tests or epidemiological data. See details below.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known.

ADDITIONAL INFORMATION OR HAZARDS ASSOCIATED WITH PIGMENTS, VEHICLES OR THEIR COMPONENTS:

CADMIUM- Cadmium Compounds are classified by IARC, NTP and OSHA as probably carcinogenic in humans through inhalation. OSHA also classifies such compounds as causing lung and kidney disease. Pigmentary cadmium compounds have been shown to be significantly less biologically available and active than other compounds. Adverse effects of this mixture as an artists' color have not been demonstrated. This material should not be applied by spray due to potential for harmful effects in the lungs if inhaled. **WARNING**; This product contains a chemical known to the State of California to cause cancer, birth defects or other reproductive harm. Do not spray apply. Keep out of reach of children. Applies to; Cadmium Orange, Cadmium Red, Cadmium Red Deep, Cadmium Red Light, Cadmium Yellow, Cadmium Yellow Deep, Cadmium Yellow Light.

COBALT- Individuals hypersensitive to Cobalt may develop asthma, bronchitis, or shortness of breath. May cause skin sensitization. Cobalt compounds, when used as anti-foams, have caused cardiac damage when ingested with large quantities of fluids. IARC lists cobalt and cobalt compounds as possible human carcinogens and notes inadequate evidence of carcinogenicity in humans based upon animal studies. The cobalt compound in this product has not been specifically identified as a possible carcinogen. **WARNING**; This product contains a chemical known to the State of California to cause cancer, birth defects or other reproductive harm. Keep out of reach of children. Applies to; Celtic Green, Cerulean Blue, Cerulean Blue Deep, Cobalt Blue, Cobalt Green, Cobalt Teal, Cobalt Violet, Highland Green, Tartan Blue.

CHROMIUM- Chromium and some of its compounds are considered carcinogenic, both in animals and humans. Evidence of CHROMIUM (III) compounds carcinogenicity, in pigment form is inconclusive. May cause delayed effects involving the respiratory system. Eye and skin irritant. Keep out of reach of children. Applies to; Cerulean Blue, Cerulean Blue Deep, Highland Green, Naples Yellow, Tartan Blue, Viridian.

MANGANESE- Overexposure may affect the Central Nervous System and lungs, resulting in transitory psychosis, tiredness, weakness and pneumonitis. May aggravate preexisting neurological conditions. Applies to; Burnt Umber, Mineral Violet, Raw Umber.

QUINACRIDONES- May cause dermatitis. Eye and skin irritant. Applies to Nickel Quinacridone Gold, Quinacridone Red, Quinacridone Rose, Quinacridone Rust, Quinacridone Violet.

NICKEL- IARC and NTP state there is sufficient evidence of carcinogenicity in experimental animals and humans. Ingestion may result in damage to the testes. May cause skin irritation. **WARNING**; This product contains a chemical known to the

State of California to cause cancer, birth defects or other reproductive harm. Do not spray apply. Keep out of reach of children. Applies to; Nickel Azo Yellow, Nickel Quinacridone Gold.

PHTHALOCYANINES- May cause dermatitis. Eye and skin irritant. Applies to; Hookers Green, Manganese Blue, Permanent Green Light, Permanent Green Pale, Olive Green, Phthalocyanine Blue, Phthalocyanine Blue Red Shade, Phthalocyanine Green, Phthalocyanine Green Yellow Shade, Sap Green, Turquoise.

ZINC- Overexposure may result in fever, chills, muscular pain or nausea. Applies to; Chinese White, Titanium White, Zinc White.

SECTION 3---COMPOSITION/INFORMATION ON INGREDIENTS

Formulations of pigments, water and gum Arabic with proprietary ingredients.

SECTION 4---EMERGENCY AND FIRST AID PROCEDURES:

EYE CONTACT: Flush with water for 15 minutes. SEE DOCTOR if any symptoms persist.

SKIN CONTACT: Wash with soap and water. SEE DOCTOR if skin irritation occurs.

INHALATION: SEE DOCTOR if there are symptoms of exposure.

INGESTION: SEE DOCTOR if there are symptoms of exposure.

SECTION 5---FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: N/A METHOD USED: N/A

FLAMMABLE LIMITS IN AIR BY VOLUME-LOWER: N/A UPPER: N/A

EXTINGUISHING MEDIA: Foam, carbon dioxide, dry chemical, water fog.

SPECIAL FIRE FIGHTING PROCEDURES: Use water to cool containers exposed to heat. Use self-contained breathing apparatus and full protective clothing for enclosed areas.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Decomposition and combustion products may be toxic.

SECTION 6---ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Dike and contain with inert material. Transfer material to containers for recovery or disposal.

WASTE DISPOSAL METHOD: Dispose as per local, state or Federal regulations.

OTHER PRECAUTIONS: None.

SECTION 7---HANDLING AND STORAGE

Store at room temperature. Do not contaminate food products. Wash hands after use. Avoid eye contact. Keep out of reach of children and pets.

SECTION 8---EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION: None required under normal use.

VENTILATION: None required under normal handling.

PROTECTIVE GLOVES; None required under normal use.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None required under normal use.

WORK/HYGIENIC PRACTICES: All M. Graham products should be used in accordance with safe handling practices, including: do not eat, drink or smoke when working with materials, avoid skin contact and wash after use. Keep materials out of reach of children.

SECTION 9---PHYSICAL/CHEMICAL PROPERTIES

BOILING POINT: >212°F/100°C

SPECIFIC GRAVITY (H2O=1): 1.1-2.0

VAPOR DENSITY: Heavier than air.

EVAPORATION RATE: Slower than ether.

SOLUBILITY IN WATER: Dilutable.

APPEARANCE AND ODOR: Colored paste. No significant odor.

SECTION 10---STABILITY AND REACTIVITY

STABILITY: Stable.

CONDITIONS TO AVOID: None known.

INCOMPATIBILITY: None known.

HAZARDOUS DECOMPOSITION: Usual products of combustion (for dry films only): carbon dioxide carbon monoxide. Above 800°C cadmiums decompose to toxic fumes of cadmium oxide, zinc oxide, sulfur dioxide and selenium dioxide.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11---TOXICOLOGICAL INFORMATION

M. Graham & Co. Watercolors and Gouache have a low order of toxicity when used as anticipated and in a normal fashion where exposure is to the skin in small amounts. For information on toxicity associated with specific components refer to Section 2.

SECTION 12---ECOLOGICAL INFORMATION

Partially biodegradable. No other data available.

SECTION 13---DISPOSAL CONSIDERATIONS

Watercolors are typically used up rather than disposed of. If required, allow to dry and dispose as solid waste per local, state and federal regulations.

SECTION 14---TRANSPORT INFORMATION

No restrictive Department of Transportation requirements. Not hazardous for shipping.

SECTION 15---REGULATORY INFORMATION

Regulated by the US Consumer Product Safety Commission for consumer product labeling.

TOXICOLOGICAL CERTIFICATION: All M. Graham & Co. products are certified by an independent toxicologist for conformity to ASTM D4236 under LHAMA in a manner consistent with Consumer Product Safety Commission Guidelines. Products are labeled in compliance with LAHMA under 16 C.F.R 1500.14 (b) (8).

SECTION 16---OTHER INFORMATION

Revised as of 1/1/13 to comply with new GHS standard format for Safety Data Sheets.

DISCLAIMER

WHILE WE BELIEVE THE DATA SET FORTH HEREIN IS ACCURATE AS OF THE DATE HEREOF, M. GRAHAM & CO. AND ITS AFFILIATED ENTITIES MAKE NO WARRANTIES EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THIS DATA OR THE SUITABILITY OF ITS PRODUCTS FOR USE. THIS INFORMATION IS OFFERED SOLELY FOR THE BUYERS CONSIDERATION, INVESTIGATION AND VERIFICATION. ALL PRODUCTS ARE SOLD ON AN "AS IS" BASIS AND M. GRAHAM & CO. EXPRESSLY DISCLAIMS ANY WARRANTY AS TO THE MERCHANTABILITY OR FITNESS OF ITS PRODUCTS FOR ANY PARTICULAR USE OR PURPOSE OF THE BUYER. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PRODUCTS IS WITH THE BUYER. IF THE PRODUCT PROVES DEFECTIVE AFTER PURCHASE, THE BUYER NOT THE MANUFACTURER ASSUMES THE ENTIRE COST OF ALL NECESSARY SERVICING OR REPAIR.