

01116-3093

Enkaustikos®

**MATERIAL SAFETY DATA SHEET**

Date: December 15, 2024

**ENKAUSTIKOS!  
ENCAUSTIC PAINTS — CONTAINING CADMIUM COMPOUNDS**

Update December 15, 2024

**1. IDENTIFICATION****Product Name:** Artist Encaustic Paints**Synonyms:** Beeswax, Damar Gum, Cadmium Pigment Mixture**Product Codes:** See list at end of document**Product Use:** Fine art painting**Manufacturer/Supplier:**

ENKAUSTIKOS! WAX ART SUPPLIES

DBA Rochester Art Supply, Inc.

3 North Washington Street

Rochester, New York 14614

Telephone: 585-263-6930

**Emergency Phone:** For emergency health information, call your Poison Control Center  
1-800-222-1222 or Local Emergency Room**2. HAZARDS IDENTIFICATION****GHS Labeling****Hazard Statements**Cancer Hazard. Dried film from this paint may be harmful if eaten or chewed.  
**Skin contact with molten wax may cause thermal burns.****Precautionary Statements**Do not ingest. Do not heat above manufacturer's recommended temperature of 200° Fahrenheit. Do not expose to direct flame. **Handle with care when handling molten product.** Avoid eye contact. **Wash hands thoroughly after handling.** Use with adequate ventilation.**First Aid Statements**FIRST AID: In case of eye contact, flush immediately with plenty of water for 15 minutes. In case of skin contact, immediately wash with water. **If swallowed, do not induce vomiting, call a physician immediately.****Poison Control**For emergency health information, call your Poison Control Center  
1-800-222-1222**Children's Statement****KEEP OUT OF REACH OF CHILDREN****Hazard ingredients**

Contains Cadmium Compounds

**Signal Word****WARNING!****Principal Hazards**

Harmful if Swallowed

**Conformity Statement****Conforms to ASTM D-4236****California** **WARNING:** Cancer and Reproductive Harm  
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

Enkaustikos®

**MATERIAL SAFETY DATA SHEET**

Date: December 15, 2024

**3. COMPOSITION/INFORMATION ON INGREDIENTS****Chemical Name**

Not Applicable  
 Not Applicable  
 Not Applicable

**CAS Number**

8012-89-3  
 9000-16-2

58339-34-7  
 12656-57-4  
 8048-07-5  
 7727-43-7

**Common Name**

Beeswax  
 Damar Gum  
 Cadmium Compounds

**Weight Varies By Color**

Beeswax Proprietary Formulations 64% - 75%  
 Damar Gum 10% - 15%  
 Pigment Weight Varies 10 - 25%  
 Pigment Red 108 - Cadmium Sulfoselenide Red  
 Pigment Orange 20 - Cadmium Sulfoselenide Orange  
 Pigment Yellow 35 - Cadmium Sulfoselenide Yellow  
 Pigment White 21 - Barium Sulfate

**Impurities/Additives**

None

(See Section 8 for Exposure Limits)

**4. FIRST AID MEASURES**

**Eye:** Eye irritation. Flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Get immediate medical attention.

**Skin:** For contact with molten material, leave material on skin and flush or immerse affected area(s), using cold water. Seek medical attention.

**Inhalation:** If respiratory symptoms develop from exposure to fumes emitted by the molten material, move victim away from source of exposure and into fresh air. If symptoms persist, seek medical attention. If victim is not breathing, immediately begin artificial respiration. If breathing difficulties develop, oxygen should be administered by qualified personnel. Seek immediate medical attention.

**Ingestion:** If swallowed, do not induce vomiting, call physician immediately.

**5. FIRE FIGHTING MEASURES**

**Suitable Extinguishing Media:** Dry chemical, foam, sand, water fog is recommended.

**Unusual Fire and Explosion Hazards:** This material may burn, but will not ignite readily.

**Combustion Products:** N/A

**National Fire Protection Association (NFPA) Ratings:** This information is intended solely for the use of individuals trained in the NFPA system.

**Health: 0**

**Flammability: 1**

**Reactivity: 0**

**6. ACCIDENTAL RELEASE MEASURES**

This material may burn but will not ignite readily.

Isolate danger area and keep unauthorized personnel out.

**Enkaustikos®****MATERIAL SAFETY DATA SHEET**

Date: December 15, 2024

**6. ACCIDENTAL RELEASE MEASURES (CONT.)**

Contain spill if it can be done with minimal risk. Wear appropriate protective equipment.

Prevent spilled material from entering sewers, storm drains, other unauthorized treatment drainage systems, and natural waterways.

Preferably allow wax to cool before cleanup. Cleanup molten wax under supervision is advised.

**7. HANDLING AND STORAGE****Ventilation**

Use only in well ventilated areas. Wear suitable protective equipment. Wear protective gloves. Avoid breathing fumes. Avoid contact with skin, eyes and clothing.

**Handling**

Wash thoroughly after handling. Do not wear contaminated clothing or shoes. Use good personal hygiene practice.

**Storage**

Store in cool, dry, well-ventilated area away from heat, sources of ignition and incompatibles such as strong oxidizers. Store at ambient or lower temperature. KEEP OUT OF REACH OF CHILDREN.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Exposure Limits: US OSHA PEL: SEE 29 CFR 1910.1026 for the OSHA cadmium standard**

These limits are reprinted from SDS sheets for cadmium pigment in dry powder form. Once, encapsulated in wax and following recommended painting methods and working temperatures these risks will be greatly minimized.

0.0025 mg/m<sup>3</sup> TWA action level as Cd; 0.005 mg/m<sup>3</sup> TWA, as Cd; 0.2 mg/m<sup>3</sup> TWA and 0.6 mg/m<sup>3</sup> ceiling limit as Cd dust for dry color formulators; 0.2 mg/m<sup>3</sup> TWA selenium compounds as Se; 15 mg/m<sup>3</sup> TWA total dust as barium sulfate.

**Personal Protective Equipment (PPE)**

**Eye Protection:** When handling in molten form, proper eye shields are worn to prevent injury.

**Skin Protection:** When handling in molten form, proper resistant clothing, gloves, and shoes must be worn.

**Respiratory Protection:** Use only in well ventilated areas. Wear suitable protective equipment. Avoid breathing fumes.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** Solid wax in various colors, sizes and shapes.

**Upper Flammability Limit:** N/A

**Lower Flammability Limit:** N/A

**Vapor Pressure:** N/A

**Odor Threshold:** N/A

**Vapor Density:** N/A

**pH:** N/A

**Specific Gravity:** <1g/ml at 20°C

**Melting Point:** 80 - 86 °C

**Solubility:** Insoluble in water.

**Boiling Point:** >260° C

**Flashpoint:** 400°C

**Flammability:** Not Flammable

**Partition Coefficient:** Not Determined

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## MATERIAL SAFETY DATA SHEET

Date: December 15, 2024

**9. PHYSICAL AND CHEMICAL PROPERTIES (CONT.)****Auto Ignition Temperature:** N/A**Decomposition Temperature:** 300° C**Viscosity:** Not Determined**10. STABILITY AND REACTIVITY**

**Reactivity:** This material is stable and unlikely to react in a hazardous manner under normal conditions of use. Avoid contact with strong acids may react yielding toxic/flammable hydrogen sulfide gas, toxic hydrogen selenide and possibly soluble toxic cadmium salts.

**Chemical Stability:** Stable under normal conditions. Avoid strong oxidizing agents.

**Hazardous Reactions:** Avoid strong oxidizing agents.

**Decomposition Products:** Thermal decomposition can produce a variety of products which may include oxides of carbon, nitrogen, hazardous fumes (cadmium oxide, selenium dioxide) and gases (sulfur dioxide).

**11. TOXICOLOGICAL INFORMATION**

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

**Signs and Symptoms of Overexposure:** Nasal and throat irritation.

**Acute Effects**

**Eye Contact:** May cause mild eye irritation.

**Skin Contact:** Not considered as being an allergic skin sensitizer. Direct skin contact may result in slight irritation. The molten product can cause serious burns.

**Inhalation:** Vapors emitted from molten wax are expected to have slight degree of irritation. May cause mild respiratory irritation at higher temperatures.

**Ingestion:** May cause irritation of mouth, throat and stomach. May result in nausea and vomiting. **If swallowed, do not induce vomiting, call physician immediately.**

**Potential Chronic Health Effects:** No data available

**Acute Toxicity Values**

CIR Review of Natural Waxes, Published 2005

FDA: GRAS (Generally Recognized As Safe)

Not considered acutely toxic.

The dry powdered form of cadmium pigment used to make this paint has a range of values reported for several species. Oral LD50 values are normally > 5000 mg/kg

**Carcinogenicity:** Dry powdered pigment is US listed carcinogen OSHA, NTP, IARC, Other.

As generic class of cadmium and cadmium compounds: OSHA-CA; Carcinogen defined with no further categorization; NTP-K: known to be a human carcinogen; IARC-1: carcinogenic to human.

Pigment producer has assigned no GHS classification due to the extreme insolubility of cadmium pigments as compared to other classified soluble compounds.

**12: ECOLOGICAL INFORMATION**

**ECOTOXICITY:** the extreme insolubility of these pigments indicate that they offer no significant hazard.

No actual testing has been done as such, it is recommended to avoid release to the environment and waterways.

No data available on the product. The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters.

Enkaustikos®

**MATERIAL SAFETY DATA SHEET**

Date: December 15, 2024

**13: DISPOSAL CONSIDERATIONS**

Recover if possible complying with the local, state, national or international regulations currently in force.

**14: TRANSPORT INFORMATION****U.S. Department of Transportation (DOT)**

**Proper Shipping Name:** N/A

**Hazard Class:** N/A

**UN/NA Number:** Not Classified as dangerous in the meaning of transport regulations.

**Packing Group:** N/A

**International Maritime Organization (IMDG)** Not regulated for transport

**DOT:** Not regulated for transport

**ICAO/IATA:** Not regulated for transport

**15. REGULATORY INFORMATION****U.S. Federal Regulations**

**Toxic Substances Control Act (TSCA):** Substance is listed.

**Clean Water Act (CWA):** Contains Cadmium Compounds.

**Superfund Amendments and Reauthorization Act (SARA) Title III Information:** All colors are listed on section 313 – all colors are listed at cadmium compounds. Yellows are also listed as zinc compounds. Oranges, reds, maroons are also listed as selenium compounds.

**State Regulations**

**California Proposition 65:**  **WARNING:** Cancer and Reproductive Harm  
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION**

**Issue Date:** December 15, 2024

**Disclaimer:** The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. It is the user's responsibility to satisfy itself that the product is suitable for intended use and the user's responsibility to carefully read the product label and follow instructions for safe use of product.

**Colors available in 13 ml Hot Sticks, 40 and 120 ml Wax Snaps, 45 ml Hot Cakes and 1, 3, 4, 8, 12, and 16 fluid oz cakes:**

Color Name	Pigment	CAS No.
Cadmium Maroon	PR108	58339-34-7
Cadmium Orange	PO20	12656-57-4
Cadmium Red Deep	PR108	58339-34-7
Cadmium Red Light	PR108	58339-34-7
Cadmium Red Medium	PR108	58339-34-7
Cadmium Red Vermillion	PO20	12656-57-4
Cadmium Yellow Deep	PY35	8048-070-5
Cadmium Yellow Light	PY35	8048-070-5
Cadmium Yellow Medium	PY35	8048-070-5
Jaune Brilliant	PO20, PW6	12656-57-4
Lora Murphy Cadmium Red Light	PR108	58339-34-7


**MATERIAL SAFETY DATA SHEET**

Date: December 15, 2024

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION (CONT.)**

The following sets contain at least one of the above colors containing Cadmium Compounds:

Set Name	SKU	UPC
Hot Sticks Rich Tones	16309	813043016309
Hot Sticks Complete Set	EN1583	813043015838
Hot Sticks Shary Bartlett Enkaustipalette Vivid Set	16187	813043016187
Hot Cakes Classic Painter's Choice Set	60203	813043016880
Hot Cakes Extended Portrait Set	60206	813043016910
Hot Cakes Complete Set	60207	813043016927
Wax Snaps Let's Face It Set	EN9065	813043019065
Wax Snaps Some Like It Hot Set	EN9089	813043019089
Wax Snaps Earth, Wind and Fire Set	EN9072	813043019072
Wax Snaps Lora Murphy Portraiture Set	EN7047	813043017047
Wax Snaps Linda Robertson Tropical Wax Snaps Set	EN3919	813043013919
Wax Snaps The Provincetown Palette	EN4268	813043014268