

**MATERIAL SAFETY DATA SHEET**

Manufacturer's Name: **GAMBLIN ARTISTS COLORS CO.**  
 PO Box 15009  
 Portland, OR 97293

**Product: Cadmium Chartreuse, Cadmium Lemon, Cadmium Yellow Light, Cadmium Yellow Medium, Cadmium Yellow Deep Artists' Oil Colors**

**SECTION I -- PRODUCT IDENTITY**

Date updated: 5-31-13

Emergency telephone no. 503/235-1945

Preparer's Name: R. Gamblin

HMIS Information

Health 2

Chemical name: Vegetable oil/pigment mixture

Flammability 1

Reactivity 0

Chemical formula: N/A (mixture)

DOT shipping class: Compound paint, N.O.S., Not regulated by DOT as a hazardous material.

**SECTION II -- HAZARDOUS INGREDIENTS**

Chemical names	CAS#	Wt%	OSHA PEL	ACGIH TLV
Cadmium Sulfide	1306-23-6	64-100	200/5mg/m3	10/2mg/m3 as Cd)
Barium Sulfate	7727-43-7	0-25	10/5mg/m3	10mg/m3
Zinc Sulfide	1314-98-3	0-15	10/5mg/m3	10mg/m3

These are reportable chemicals under 40 CFR 372. SARA Title III Section 313

**Hazards Identification**

Ingestion: Not toxic for acute exposure to animals.

**Chronic Effects/Carcinogenicity:**

OSHA has chosen to regulate occupational exposure to all cadmium compounds, including pigments, as a single category. The standard states that substances containing cadmium are a cancer hazard and can cause lung and kidney disease.

Cadmium and cadmium compounds are listed in the Annual NTP Report as carcinogenic to animals, but with only limited evidence of carcinogenicity to humans. This information is based on test results for cadmium compounds other than pigmentary forms.

Although certain cadmium compounds are known to cause kidney damage in humans and have been shown to cause lung cancer in laboratory animals, no chronic health effects have been shown to result from exposure to cadmium pigments. Cadmium pigments have been shown to be significantly less biologically available and less active than other cadmium compounds.

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**SECTION III – PHYSICAL CHARACTERISTICS**

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Boiling range: N/A  
Vapor pressure: N/A  
Vapor density: N/A

Specific gravity: 1 - 1.4  
% volatile (volume): 0  
Evaporation rate (BuOAc = 1): N/A

Solubility (specify solvents): Insoluble in water. Soluble in most petroleum solvents.  
Appearance and odor: Yellow paste; linseed oil odor.

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**SECTION IV – FIRE & EXPLOSION DATA**

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Flash point: 620 degree F  
Extinguishing media: CO<sub>2</sub>, dry chemical, water fog  
Special firefighting procedures: water or foam may cause frothing if directed into container of burning material. Use water to cool containers exposed to heat.  
Unusual fire & explosion hazards: contaminated rags or other easily ignited organic materials are spontaneously combustible. Immerse in water after use.  
Reactivity: product is stable  
Hazardous polymerization: will not occur  
Conditions to avoid: avoid extreme heat  
Hazardous decomposition products:  
Usual products of combustion: CO, CO<sub>2</sub> and possibly acrolein.

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**SECTION V – HEALTH HAZARD DATA**

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Route(s) of entry: Eye contact, ingestion of paint  
Acute health effects: Eye contact may cause redness or irritation  
Inhalation: N/A  
Ingestion: No known adverse health effects  
Skin contact: No known adverse health effects

**EMERGENCY FIRST AID PROCEDURES:**

Eye contact: wash with clean water for at least fifteen minutes. If irritation persists, get medical attention.  
Inhalation: N/A  
Skin contact: N/A

**CHRONIC HEALTH EFFECTS:**

The NTP & IARC list cadmium as a carcinogen; however, there is conflicting evidence as to whether cadmium pigments offer any risk to human health.  
No known adverse health affects to linseed oil.

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**SECTION VI – SPILL OR LEAK PROCEDURE**

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Steps to be taken in case material is spilled: remove all sources of ignition. Soak up spill with absorbent materials.  
Waste disposal method: Rags and absorbent materials should be immersed in water. Small amounts can be dried and disposed of as ordinary trash.

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**SECTION VII -- SPECIAL PROTECTION DATA**

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Respiratory protection: none normally required

Ventilation: none normally required

Protective gloves: use of gloves is suggested when prolonged or repeated contact with hands is likely. Individuals having sensitive skin may find it beneficial to use a barrier cream or moisturizer when excessive or prolonged contact with skin is likely.

Eye protection: safety glasses if eye contact is likely; eyewash fountain should be accessible.

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**SECTION VIII -- STORAGE & HANDLING DATA**

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Precautions to be taken in handling and storage: store away from high temperature, sparks or open flame. Read and observe all precautions on product label.

Other precautions: wash hands after use. Immerse contaminated rags in water.

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The information contained herein is based on the data available to use and is believed to be correct. However, Gamblin Artists Colors Co. makes no warranty, expressed or implied, regarding the accuracy of these data or the results to be obtained from the use thereof. Gamblin assumes no responsibility for injury from the use of the product described herein.

**00401**

**Cadmium Chartreuse**

**4313**

**4314**

**4315**

**4316**

**Cadmium Yellow Medium**

**4093**

**4094**

**4095**

**4096**

**Cadmium Lemon**

**4183**

**4184**

**4185**

**4186**

**Cadmium Yellow Deep**

**4123**

**4124**

**4125**

**4126**

**Cadmium Yellow Light**

**4073**

**4074**

**4075**

**4076**