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### MATERIAL SAFETY DATA SHEET

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

**Product: Cadmium Red Light, Cadmium Red Medium, Cadmium Red Deep, Cadmium Orange,  
 Cadmium Orange Deep Artists' Oil Colors**

#### SECTION I -- PRODUCT IDENTITY

Date updated: 8-23-07

Emergency telephone no. 503/235-1945

Preparer's Name: R. Gamblin

HMIS Information

Chemical name: Vegetable oil/pigment mixture

Health 2

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	59-97	5/mg/m3	10/2 mg/m3 (as Cd)
Cadmium selenide	1306-24-7	3-55	5 mg/m3	10/2 mg/m3 (as Se)
Barium Sulfate	7727-43-7	0-40		
Zinc Sulfide(PNOC)	1314-98-3	0-5	15/5mg/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: Red paste, linseed oil odor.

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**SECTION IV – FIRE & EXPLOSION DATA**


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Flash point: 650 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:**

Cadmium and certain cadmium compounds are listed in IARC and the Annual NTP Report as carcinogenic, but with only limited evidence of carcinogenicity to humans. These listings are based on test results for cadmium compounds other than the pigmentary forms. No known adverse health effects to linseed oil. No known medical conditions aggravated by exposure to cadmium oil paints.

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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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