

Material Safety Data Sheet for Galkyd Painting Medium #1, Galkyd Lite, Galkyd Gel, Ga... Page 1 of 2

## MATERIAL SAFETY DATA SHEET

**01586-2109**

Manufacturer's Name: GAMBLIN ARTISTS COLORS CO.  
 PO Box 625  
 Portland, OR 97207

Product: Galkyd Painting Medium #1, Galkyd Lite, Galkyd Gel, Galkyd Slow Dry

## SECTION 1 -- PRODUCT IDENTITY

Date prepared: 9/03/04 Emergency telephone no. 503/235-194

Preparer's Name: R. Gamblin HMIS Information  
 Health 2  
 Chemical name: Alkyd Resin/Petroleum Solvent Mixture Flammability 2  
 Reactivity 0  
 Chemical formula: N/A (mixture)

DOT shipping class: Combustible Liquid UN 1255

## SECTION II -- HAZARDOUS INGREDIENTS

Chemical names	CAS#	Wt%	OSHA PEL	ACGIH TLV
Mineral Spirits	64742-47-8		40-60 100ppm	500ppm

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

## SECTION III -- PHYSICAL CHARACTERISTICS

Boiling range: 300-405 degree F Specific gravity: .8-.9  
 Vapor pressure: 2mm Hg @ % volatile (volume): 40-60  
 Vapor density: 4.9 Evaporation rate (BuOAc = 1): 0.1

Solubility (specify solvents): Insoluble in water. Soluble in most petroleum solve  
 Appearance and odor: Honey-colored liquid; petroleum distillate odor.

## SECTION IV -- FIRE &amp; EXPLOSION DATA

Flash point: Galkyd Lite 138 degree F  
 Galkyd 136 degree F  
 Galkyd Gel 147 degree F  
 Galkyd Slow Dry 142 degree F

Flammable Limits: LEL: 1.0 VEL: 6.0  
 Extinguishing media: CO2, 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  
 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, CO2 and possibly acrolein and oxides of nitrogen.

## Material Safety Data Sheet for Galkyd Painting Medium #1, Galkyd Lite, Galkyd Gel, Ga... Page 2 of 2

## SECTION V -- HEALTH HAZARD DATA

Route(s) of entry: Eye contact, ingestion of paint, inhalation, and skin contact.

## Acute health effects:

Eye contact: May cause redness or irritation

Inhalation: dizziness, headache, nausea, and possible nervous system depression.

Ingestion: Nausea, gastrointestinal irritation, or vomiting.

Skin contact: May cause rash, cracking, dryness or defatting of skin.

## EMERGENCY FIRST AID PROCEDURES:

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

Inhalation: Move individual to fresh air. If breathing has stopped, apply artificial respiration.

Ingestion: DO NOT INDUCE VOMITING. Give water or milk to drink; get medical attention.

Skin contact: Wash area with soap and water. If irritation persists, get medical attention.

## CHRONIC HEALTH EFFECTS:

Not listed as a carcinogen by the NTP, IARC, or OSHA; no adverse long-term effects are known.

Medical Conditions aggravated by exposure: Existing lung or skin conditions may be aggravated by repeated exposure.

## SECTION VI -- SPILL OR LEAK PROCEDURE

Steps to be taken in case material is spilled: remove all sources of ignition. Soak materials.

Waste disposal method: Rags and absorbent materials should be immersed in water. Soak, dried and disposed of as ordinary trash.

## SECTION VII - SPECIAL PROTECTION DATA

Respiratory protection: Wear NIOSH approved respirator for organic vapors.

Ventilation: Adequate to keep exposure below TLV

Protective gloves: Neoprene or rubber if prolonged skin contact is likely.

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

## SECTION VIII -- STORAGE &amp; HANDLING DATA

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

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

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

## Material Safety Data Sheet for Neo Megilp Painting Medium

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## MATERIAL SAFETY DATA SHEET

Manufacturer's Name: GAMBLIN ARTISTS COLORS CO.  
 PO Box 625  
 Portland, OR 97207

Product: Neo Megilp Painting Medium

## SECTION 1 -- PRODUCT IDENTITY

Date prepared: 9/03/04                      Emergency telephone no. 503/235-1945

Preparer's Name: R. Gamblin	HMIS Information
Health 2	
Chemical name: Alkyd Resin/Petroleum Solvent Mixture	Flammability 2
	Reactivity 0
Chemical formula: N/A (mixture)	

DOT shipping class: Combustible Liquid UN 1255

## SECTION II -- HAZARDOUS INGREDIENTS

Chemical names	CAS#	Wt%	OSHA PEL	ACGIH TLV
Mineral Spirits	64742-47-8		40-60 100ppm	500ppm

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

## SECTION III -- PHYSICAL CHARACTERISTICS

Boiling range: 300-405 degree F	Specific gravity: .8-.9
Vapor pressure: 2mm Hg @	% volatile (volume): 40-60
Vapor density: 4.9	Evaporation rate (BuOAc = 1): 0.1

Solubility (specify solvents): Insoluble in water. Soluble in most petroleum solve  
 Appearance and odor: Honey-colored liquid; petroleum distillate odor.

## SECTION IV -- FIRE &amp; EXPLOSION DATA

Flash point: Neo Megilp 137 degree F  
 Flammable Limits: LEL: 1.0 VEL: 6.0  
 Extinguishing media: CO2 , 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  
 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, CO2 and possibly acrolein and oxides of nitrogen.

## SECTION V -- HEALTH HAZARD DATA

Route(s) of entry: Eye contact, ingestion of paint, inhalation, and skin contact.  
 Acute health effects:

## Material Safety Data Sheet for Neo Megilp Painting Medium

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Eye contact: May cause redness or irritation  
Inhalation: dizziness, headache, nausea, and possible nervous system depression.  
Ingestion: Nausea, gastrointestinal irritation, or vomiting.  
Skin contact: May cause rash, cracking, dryness or defatting of skin.

## EMERGENCY FIRST AID PROCEDURES:

Eye contact: wash with clean water for at least fifteen minutes. If irritation persists, get medical attention.  
Inhalation: Move individual to fresh air. If breathing has stopped, apply artificial respiration.  
Ingestion: DO NOT INDUCE VOMITING. Give water or milk to drink; get medical attention.  
Skin contact: Wash area with soap and water. If irritation persists, get medical attention.

## CHRONIC HEALTH EFFECTS:

Not listed as a carcinogen by the NTP, IARC, or OSHA; no adverse long-term effects are known.

Medical Conditions aggravated by exposure: Existing lung or skin conditions may be aggravated by repeated exposure.

## SECTION VI -- SPILL OR LEAK PROCEDURE

Steps to be taken in case material is spilled: remove all sources of ignition. Soak materials.

Waste disposal method: Rags and absorbent materials should be immersed in water. Soak, dried and disposed of as ordinary trash.

## SECTION VII - SPECIAL PROTECTION DATA

Respiratory protection: Wear NIOSH approved respirator for organic vapors.

Ventilation: Adequate to keep exposure below TLV

Protective gloves: Neoprene or rubber if prolonged skin contact is likely.

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

## SECTION VIII -- STORAGE &amp; HANDLING DATA

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

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

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



## Material Safety Data Sheet for GAMSOL

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Unusual fire & explosion hazards: contaminated rags or other easily ignited organic combustible. Immerse in water after use.

Reactivity: product is stable

Hazardous polymerization: will not occur

Conditions to avoid: None known.

Hazardous decomposition products: Fumes, smoke, carbon monoxide, aldehydes and others in the case of incomplete combustion.

Usual products of combustion: CO, CO2 and possibly acrolein.

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SECTION V -- HEALTH HAZARD DATA  
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Route(s) of entry: Eye contact, ingestion, inhalation, skin contact.

Acute health effects: Eye contact may cause redness or irritation

Inhalation: dizziness, headache, nausea, possible nervous system depression.

Ingestion: Nausea, gastrointestinal irritation, or vomiting.

Skin contact: May cause rash, cracking, dryness or defatting of skin.

## EMERGENCY FIRST AID PROCEDURES:

Eye contact: wash with clean water for at least fifteen minutes. If irritation per

Inhalation: If overcome by vapor, remove from exposure and call a physician immediately or has stopped, start resuscitation, administer oxygen, if available.

Skin contact: In case of skin contact, wash skin thoroughly with soap and water.

CHRONIC HEALTH EFFECTS: Skin contact may aggravate an existing dermatitis.

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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

Waste disposal method: Rags and absorbent materials should be immersed in water. Soak and disposed of as ordinary trash.

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SECTION VII - SPECIAL PROTECTION DATA  
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Respiratory protection: Use supplied-air respiratory protection in confined or enclosed

Ventilation: Use only with ventilation sufficient to prevent exceeding recommended explosive concentrations of vapor in air. No smoking, flame or other ignition sources

Protective gloves: Use chemical-resistant gloves, if needed, to avoid prolonged or

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

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SECTION III -- STORAGE & HANDLING DATA  
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Precautions to be taken in handling and storage: store away from high temperature, and observe all precautions on product label.

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

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

## Material Safety Data Sheet for

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## MATERIAL SAFETY DATA SHEET

Manufacturer's Name: GAMBLIN ARTISTS COLORS CO.  
Portland, OR 97207  
PO Box 625

Product: Gold Ochre

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SECTION 1 -- PRODUCT IDENTITY  
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Date prepared: 11/02/94                      Emergency telephone no. 503/235-1945

Preparer's Name: R. Gamblin                      HMIS Information  
Health                      1  
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 mat

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SECTION II -- HAZARDOUS INGREDIENTS  
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Chemical names	CAS#	Wt%	OSHA PEL	ACGIH TLV
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This product contains no hazardous materials under the current OSHA standard.                      (29 CFR 1910.1200)  
These are reportable chemicals under 40 CFR 372. SARA Title III Section 313

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SECTION III -- PHYSICAL CHARACTERISTICS  
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Boiling range: N/A	Specific gravity: 1 - 1.4
Vapor pressure: N/A	% volatile (volume): 0
Vapor density: N/A	Evaporation rate (BuOAc = 1): N/A

Solubility (specify solvents): Insoluble in water. Soluble in most petroleum solve  
Appearance and odor: Various colors; linseed oil odor.

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SECTION IV -- FIRE & EXPLOSION DATA  
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Flash point: 620 degree F  
Extinguishing media: CO2 , 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, CO2 and possibly acrolein.

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SECTION V -- HEALTH HAZARD DATA  
-----

Route(s) of entry: Eye contact, ingestion of paint

## Material Safety Data Sheet for

Page 2 of 2

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:**

Not listed as a carcinogen by the NTP, IARC, or OSHA; no adverse long-term effects are known.

No known adverse health effects to linseed oil.

**SECTION VI -- SPILL OR LEAK PROCEDURE**

Steps to be taken in case material is spilled: remove all sources of ignition. Soak materials.

Waste disposal method: Rags and absorbent materials should be immersed in water. Soak, dried and disposed of as ordinary trash.

**SECTION VII - SPECIAL PROTECTION DATA**

Respiratory protection: none normally required

Ventilation: none normally required

Protective gloves: none normally required

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

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

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

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

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## Material Safety Data Sheet for Flake White Replacement, Titanium White, Titanium-Zinc... Page 1 of 2

## MATERIAL SAFETY DATA SHEET

Manufacturer's Name: GAMBLIN ARTISTS COLORS CO.  
PO Box 625

Portland, OR 97207

Product: Flake White Replacement, Titanium White, Titanium-Zinc White, Zinc White Ar

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SECTION 1 -- PRODUCT IDENTITY  
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Date prepared: 11/02/94                      Emergency telephone no. 503/235-1945

Preparer's Name: R. Gamblin                      HMIS Information  
Health                      1  
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 mat

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SECTION II -- HAZARDOUS INGREDIENTS  
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Chemical names	CAS#	Wt%	OSHA PEL	ACGIH TLV
Zinc Oxide*	1314-13-2	50-60	10mg/m3 (as dust)	

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

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SECTION III -- PHYSICAL CHARACTERISTICS  
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Boiling range: N/A                                      Specific gravity: 1 - 1.4  
Vapor pressure: N/A                                      % volatile (volume): 0  
Vapor density: N/A                                      Evaporation rate (BuOAc = 1): N/A

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

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SECTION IV -- FIRE & EXPLOSION DATA  
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Flash point: 620 degree F  
Extinguishing media: CO2 , 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, CO2 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 know adverse health effects

EMERGENCY FIRST AID PROCEDURES:

## Material Safety Data Sheet for Flake White Replacement, Titanium White, Titanium-Zinc... Page 2 of 2

Eye contact: wash with clean water for at least fifteen minutes. If irritation p  
get medical attention.

Inhalation: N/A

Skin contact: N/A

**CHRONIC HEALTH EFFECTS:**

Not listed as a carcinogen by the NTP, IARC, or OSHA; no adverse long-term  
effects are known.

No known adverse health affects to linseed oil.

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**SECTION VI -- SPILL OR LEAK PROCEDURE**

Steps to be taken in case material is spilled: remove all sources of ignition. Soa  
Waste disposal method: Rags and absorbent materials should be immersed in water. S

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**SECTION VII - SPECIAL PROTECTION DATA**

Respiratory protection: none normally required

Ventilation: none normally required

Protective gloves: none normally required

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

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**SECTION III -- STORAGE & HANDLING DATA**

Precautions to be taken in handling and storage: store away from high temperature,

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 believ

## Material Safety Data Sheet for Alizarin Crimson Artists' Oil Color

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## MATERIAL SAFETY DATA SHEET

Manufacturer's Name: GAMBLIN ARTISTS COLORS CO.  
 PO Box 625  
 Portland, OR 97207

Product: Alizarin Crimson Artists' Oil Color

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SECTION 1 -- PRODUCT IDENTITY  
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Date prepared: 11/02/94                      Emergency telephone no. 503/235-1945

Preparer's Name: R. Gamblin                      HMIS Information  
 Health 1  
 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 mat

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SECTION II -- HAZARDOUS INGREDIENTS  
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Chemical names	CAS#	Wt%	OSHA PEL	ACGIH TLV
This product contains no hazardous materials under the current OSHA standard.				
These are reportable chemicals under 40 CFR 372. SARA Title III Section 313				

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SECTION III -- PHYSICAL CHARACTERISTICS  
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Boiling range: N/A                                      Specific gravity: 1 - 1.4  
 Vapor pressure: N/A                                      % volatile (volume): 0  
 Vapor density: N/A                                      Evaporation rate (BuOAc = 1): N/A

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

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SECTION IV -- FIRE & EXPLOSION DATA  
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Flash point: 620 degree F  
 Extinguishing media: CO2 , 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

Naphthol Red Yellow Shade Artists' Oil Color

MSDS Page 2

Hazardous decomposition products:  
 Usual products of combustion: CO, CO2 and possibly acrolein.

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SECTION V -- HEALTH HAZARD DATA  
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## Material Safety Data Sheet for Alizarin Crimson Artists' Oil Color

Page 2 of 2

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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:

Not listed as a carcinogen by the NTP, IARC, or OSHA; no adverse long-term effects are known.  
No known adverse health effects to linseed oil.

## SECTION VI -- SPILL OR LEAK PROCEDURE

Steps to be taken in case material is spilled: remove all sources of ignition. Soak  
Waste disposal method: Rags and absorbent materials should be immersed in water. S

## SECTION VII - SPECIAL PROTECTION DATA

Respiratory protection: none normally required  
Ventilation: none normally required  
Protective gloves: none normally required  
Eye protection: safety glasses if eye contact is likely; eyewash fountain should be

## SECTION VIII -- STORAGE &amp; HANDLING DATA

Precautions to be taken in handling and storage: store away from high temperature,

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

## Material Safety Data Sheet for Cadmium Red Light, Cadmium Red Medium, Cadmium R... Page 1 of 3

## MATERIAL SAFETY DATA SHEET

Manufacturer's Name: GAMBLIN ARTISTS COLORS CO.  
 PO Box 625  
 Portland, OR 97207

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

## SECTION 1 -- PRODUCT IDENTITY

Date prepared: 8/15/99 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 mat

## SECTION II -- HAZARDOUS INGREDIENTS

Chemical names	CAS#	Wt%	OSHA PEL	ACGIH TLV
Cadmium sulfide (as Cd)	1306-23-6	59-97	5/mg/m3	10/2 mg/m3
Cadmium selenide (as Se)	1306-24-7	3-55	5 mg/m3	10/2 mg/m3
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 as a single category. The standard states that substances containing cadmium are a hazard and can cause lung and kidney disease.

Cadmium and cadmium compounds are listed in the Annual NTP Report as carcinogenic to but with only limited evidence of carcinogenicity to humans. This information is based on 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 from exposure to cadmium pigments. Cadmium pigments have been shown to be significantly biologically available and less active than other cadmium compounds.

## SECTION III -- PHYSICAL CHARACTERISTICS

Boiling range: N/A Specific gravity: 1 - 1.4  
 Vapor pressure: N/A % volatile (volume): 0  
 Vapor density: N/A 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.

## Material Safety Data Sheet for Cadmium Red Light, Cadmium Red Medium, Cadmium R... Page 2 of 3

## SECTION IV -- FIRE &amp; EXPLOSION DATA

Flash point: 650 degree F  
Extinguishing media: CO2 , 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  
Reactivity: product is stable  
Hazardous polymerization: will not occur  
Conditions to avoid: avoid extreme heat

Cadmium Red Light, Cadmium Red Medium, Cadmium Red Deep,  
Cadmium Orange, Cadmium Orange Deep Artists' Oil Colors  
MSDS Page 2

Hazardous decomposition products:  
Usual products of combustion: CO, CO2 and possibly acrolein.

## SECTION V -- HEALTH HAZARD DATA

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 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.

## SECTION VI -- SPILL OR LEAK PROCEDURE

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.

## SECTION VII - SPECIAL PROTECTION DATA

Respiratory protection: none normally required

Ventilation: none normally required

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

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

Material Safety Data Sheet for Cadmium Red Light, Cadmium Red Medium, Cadmium R... Page 3 of 3

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SECTION III -- STORAGE & HANDLING DATA  
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Precautions to be taken in handling and storage: store away from high temperature,  
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 believ

## Material Safety Data Sheet for CADMIUM YELLOW LIGHT, CADMIUM YELLOW ... Page 1 of 3

## MATERIAL SAFETY DATA SHEET

Manufacturer's Name: GAMBLIN ARTISTS COLORS CO.  
 PO Box 625  
 Portland, OR 97207

Product: CADMIUM YELLOW LIGHT, CADMIUM YELLOW MEDIUM, CADMIUM YELLOW DEEP ARTISTS'

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SECTION 1 -- PRODUCT IDENTITY  
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Date prepared: 8/15/99                      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 mat

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SECTION II -- HAZARDOUS INGREDIENTS  
-----

Chemical names	CAS#	Wt%	OSHA PEL	ACGIH TLV
Cadmium Sulfide (as Cd)	1306-23-6	64-100	200/5mg/m3	10/2mg/m3
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 as a single category. The standard states that substances containing cadmium are a hazard and can cause lung and kidney disease.

Cadmium and cadmium compounds are listed in the Annual NTP Report as carcinogenic to but with only limited evidence of carcinogenicity to humans. This information is based on 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 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  
-----

Boiling range: N/A                      Specific gravity: 1 - 1.4  
 Vapor pressure: N/A                      % volatile (volume): 0  
 Vapor density: N/A                      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.

-----  
SECTION IV -- FIRE & EXPLOSION DATA  
-----

## Material Safety Data Sheet for CADMIUM YELLOW LIGHT, CADMIUM YELLOW ... Page 2 of 3

-----  
Flash point: 620 degree F  
Extinguishing media: CO2 , dry chemical, water fog  
Special firefighting procedures: water or foam may cause frothing if directed into  
Unusual fire & explosion hazards: contaminated rags or other easily ignited organic

CADMIUM YELLOW LIGHT, CADMIUM YELLOW MEDIUM, CADMIUM YELLOW DEEP ARTISTS' OILS COLO

Reactivity: product is stable  
Hazardous polymerization: will not occur  
Conditions to avoid: avoid extreme heat  
Hazardous decomposition products:  
Usual products of combustion: CO, CO2 and possibly acrolein.

-----  
SECTION V -- HEALTH HAZARD DATA  
-----

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 per  
Inhalation: N/A  
Skin contact: N/A

CHRONIC HEALTH EFFECTS:

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

-----  
SECTION VI -- SPILL OR LEAK PROCEDURE  
-----

Steps to be taken in case material is spilled: remove all sources of ignition. Soa  
Waste disposal method: Rags and absorbent materials should be immersed in water. S

-----  
SECTION VII - SPECIAL PROTECTION DATA  
-----

Respiratory protection: none normally required

Ventilation: none normally required

Protective gloves: use of gloves is suggested when prolonged or repeated contact wi  
is likely. Individuals haveing sensitive skin may find it beneficial to use a barri  
or moisturizer when excessive or prolonged contact with skin is likely.

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

-----  
SECTION III -- STORAGE & HANDLING DATA  
-----

Precautions to be taken in handling and storage: store away from high temperature,  
Other precautions: wash hands after use. Immerse contaminated rags in water.

The information contained herein is based on the data available to use and is believ

## Material Safety Data Sheet for Permanent Green Light, Permanent Green Deep, Phthalo ... Page 1 of 2

## MATERIAL SAFETY DATA SHEET

Manufacturer's Name: GAMBLIN ARTISTS COLORS CO.  
PO Box 625

Portland, OR 97207

Product: Permanent Green Light, Permanent Green Deep, Phthalo Green, Phthalo Green Y

-----  
SECTION 1 -- PRODUCT IDENTITY  
-----

Date prepared: 11/02/94                      Emergency telephone no. 503/235-1945

Preparer's Name: R. Gamblin                      HMIS Information

Health                      1

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 mat

-----  
SECTION II -- HAZARDOUS INGREDIENTS  
-----

Chemical names	CAS#	Wt%	OSHA PEL	ACGIH TLV
----------------	------	-----	----------	-----------

This product contains no hazardous materials under the current OSHA standard.

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

-----  
SECTION III -- PHYSICAL CHARACTERISTICS  
-----

Boiling range: N/A                      Specific gravity: 1 - 1.4

Vapor pressure: N/A                      % volatile (volume): 0

Vapor density: N/A                      Evaporation rate (BuOAc = 1): N/A

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

-----  
SECTION IV -- FIRE & EXPLOSION DATA  
-----

Flash point: 620 degree F

Extinguishing media: CO2 , 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

Permanent Green Light, Permanent Green Deep, Phthalo Green, Phthalo Green Yellow Sha

Hazardous decomposition products:

Usual products of combustion: CO, CO2 and possibly acrolein.

-----  
SECTION V -- HEALTH HAZARD DATA  
-----

## Material Safety Data Sheet for Permanent Green Light, Permanent Green Deep, Phthalo ... Page 2 of 2

-----  
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 know adverse health effects

## EMERGENCY FIRST AID PROCEDURES:

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

## CHRONIC HEALTH EFFECTS:

Not listed as a carcinogen by the NTP, IARC, or OSHA; no adverse long-term  
effects are known.  
No known adverse health affects to linseed oil.

## SECTION VI -- SPILL OR LEAK PROCEDURE

-----  
Steps to be taken in case material is spilled: remove all sources of ignition. Soa  
Waste disposal method: Rags and absorbent materials should be immersed in water. S

## SECTION VII - SPECIAL PROTECTION DATA

-----  
Respiratory protection: none normally required  
Ventilation: none normally required  
Protective gloves: none normally required  
Eye protection: safety glasses if eye contact is likely; eyewash fountain should be

## SECTION III -- STORAGE &amp; HANDLING DATA

-----  
Precautions to be taken in handling and storage: store away from high temperature,  
Other precautions: wash hands after use. Immerse contaminated rags in water.

-----  
The information contained herein is based on the data available to use and is believ

## Material Safety Data Sheet for Phthalo Blue, Ultramarine Blue, Prussian Blue, Ultramarin... Page 1 of 2

## MATERIAL SAFETY DATA SHEET

Manufacturer's Name: GAMBLIN ARTISTS COLORS CO.  
PO Box 625

Portland, OR 97207

Product: Phthalo Blue, Ultramarine Blue, Prussian Blue, Ultramarine Violet Artists'

-----  
SECTION 1 -- PRODUCT IDENTITY  
-----

Date prepared: 11/02/94                      Emergency telephone no. 503/235-1945

Preparer's Name: R. Gamblin                      HMIS Information

Health                      1

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 mat

-----  
SECTION II -- HAZARDOUS INGREDIENTS  
-----

Chemical names	CAS#	Wt%	OSHA PEL	ACGIH TLV
----------------	------	-----	----------	-----------

This product contains no hazardous

materials under the current OSHA standard.                      (29 CFR 1910.1200)

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

-----  
SECTION III -- PHYSICAL CHARACTERISTICS  
-----

Boiling range:      N/A                      Specific gravity:      1 - 1.4

Vapor pressure:      N/A                      % volatile (volume):      0

Vapor density:      N/A                      Evaporation rate (BuOAc = 1):      N/A

Solubility (specify solvents): Insoluble in water. Soluble in most petroleum solve

Appearance and odor: Blue paste; linseed oil odor.

-----  
SECTION IV -- FIRE & EXPLOSION DATA  
-----

Flash point: 620 degree F

Extinguishing media: CO2 , 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

Phthalo Blue, Ultramarine Blue, Prussian Blue Artists' Oil Color

MSDS

Hazardous decomposition products:

Usual products of combustion: CO, CO2 and possibly acrolein.

-----  
SECTION V -- HEALTH HAZARD DATA  
-----

## Material Safety Data Sheet for Phthalo Blue, Ultramarine Blue, Prussian Blue, Ultramarin... Page 2 of 2

-----  
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 know adverse health effects

## EMERGENCY FIRST AID PROCEDURES:

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

## CHRONIC HEALTH EFFECTS:

Not listed as a carcinogen by the NTP, IARC, or OSHA; no adverse long-term  
effects are known.  
No known adverse health affects to linseed oil.

## SECTION VI -- SPILL OR LEAK PROCEDURE

-----  
Steps to be taken in case material is spilled: remove all sources of ignition. Soa  
Waste disposal method: Rags and absorbent materials should be immersed in water. S

## SECTION VII - SPECIAL PROTECTION DATA

-----  
Respiratory protection: none normally required  
Ventilation: none normally required  
Protective gloves: none normally required  
Eye protection: safety glasses if eye contact is likely; eyewash fountain should be

## SECTION III -- STORAGE &amp; HANDLING DATA

-----  
Precautions to be taken in handling and storage: store away from high temperature,  
Other precautions: wash hands after use. Immerse contaminated rags in water.

-----  
The information contained herein is based on the data available to use and is believ

## Material Safety Data Sheet for

Page 1 of 2

## MATERIAL SAFETY DATA SHEET

Manufacturer's Name: GAMBLIN ARTISTS COLORS CO.

PO Box 625

Portland, OR 97207

Product: Chromatic Black, Artists' Oil Color

-----  
SECTION 1 -- PRODUCT IDENTITY  
-----

Date prepared: 6/30/03

Emergency telephone no. 503/235-1945

Preparer's Name: R. Gamblin

HMIS Information

Health 1

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 mat

-----  
SECTION II -- HAZARDOUS INGREDIENTS  
-----

Chemical names	CAS#	Wt%	OSHA PEL	ACGIH TLV
----------------	------	-----	----------	-----------

This product contains no hazardous materials under the current OSHA standard.

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

-----  
SECTION III -- PHYSICAL CHARACTERISTICS  
-----

Boiling range: N/A

Specific gravity: 1 - 1.4

Vapor pressure: N/A

% volatile (volume): 0

Vapor density: N/A

Evaporation rate (BuOAc = 1): N/A

Solubility (specify solvents): Insoluble in water. Soluble in most petroleum solve

Appearance and odor: paste; linseed oil odor.

-----  
SECTION IV -- FIRE & EXPLOSION DATA  
-----

Flash point: 620 degree F

Extinguishing media: CO2, 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 &amp; 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, CO2 and possibly acrolein.

-----  
SECTION V -- HEALTH HAZARD DATA  
-----

Route(s) of entry: Eye contact, ingestion of paint

## Material Safety Data Sheet for

Page 2 of 2

Acute health effects: Eye contact may cause redness or irritation

Inhalation: N/A

Ingestion: No known adverse health effects

Skin contact: No know adverse health effects

**EMERGENCY FIRST AID PROCEDURES:**

Eye contact: wash with clean water for at least fifteen minutes. If irritation p  
get medical attention.

Inhalation: N/A

Skin contact: N/A

**CHRONIC HEALTH EFFECTS:**

Not listed as a carcinogen by the NTP, IARC, or OSHA; no adverse long-term  
effects are known.

No known adverse health affects to linseed oil.

**SECTION VI -- SPILL OR LEAK PROCEDURE**

Steps to be taken in case material is spilled: remove all sources of ignition. Soa  
materials.

Waste disposal method: Rags and absorbent materials should be immersed in water. S  
dried and disposed of as ordinary trash.

**SECTION VII - SPECIAL PROTECTION DATA**

Respiratory protection: none normally required

Ventilation: none normally required

Protective gloves: none normally required

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

**SECTION III -- STORAGE & HANDLING DATA**

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

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

The information contained herein is based on the data available to use and is believ  
However, Gamblin Artists Colors Co. makes no warranty, expressed or implied, regardi  
these data or the results to be obtained from the use thereof. Gamblin assumes no r  
from the use of the product described herein.

## Material Safety Data Sheet for Portland Grey Light, Portland Grey Medium , Portland Gr... Page 1 of 2

## MATERIAL SAFETY DATA SHEET

Manufacturer's Name: GAMBLIN ARTISTS COLORS CO.  
PO Box 625

Portland, OR 97207

Product: Portland Grey Light, Portland Grey Medium , Portland Grey Deep Artists' Oil

-----  
SECTION 1 -- PRODUCT IDENTITY  
-----

Date prepared: 6/18/96 Emergency telephone no. 503/235-1945

Preparer's Name: R. Gamblin HMIS Information  
Health 1  
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 mat

-----  
SECTION II -- HAZARDOUS INGREDIENTS  
-----

Chemical names	CAS#	Wt%	OSHA PEL	ACGIH TLV
Zinc Oxide*	1314-13-2	50-60		10mg/m3 (as

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

-----  
SECTION III -- PHYSICAL CHARACTERISTICS  
-----

Boiling range: N/A Specific gravity: 1 - 1.4  
Vapor pressure: N/A % volatile (volume): 0  
Vapor density: N/A Evaporation rate (BuOAc = 1): N/A

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

-----  
SECTION IV -- FIRE & EXPLOSION DATA  
-----

Flash point: 620 degree F  
Extinguishing media: CO2 , 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

Portland Grey Light, Portland Grey Medium , Portland Grey Deep Artists' Oil Color

MSDS Page 2

Hazardous decomposition products:  
Usual products of combustion: CO, CO2 and possibly acrolein.

## Material Safety Data Sheet for Portland Grey Light, Portland Grey Medium , Portland Gr... Page 2 of 2

-----  
SECTION V -- HEALTH HAZARD DATA  
-----

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:

Not listed as a carcinogen by the NTP, IARC, or OSHA; no adverse long-term effects are known.  
No known adverse health effects to linseed oil.

-----  
SECTION VI -- SPILL OR LEAK PROCEDURE  
-----

Steps to be taken in case material is spilled: remove all sources of ignition. Soak  
Waste disposal method: Rags and absorbent materials should be immersed in water. S

-----  
SECTION VII - SPECIAL PROTECTION DATA  
-----

Respiratory protection: none normally required  
Ventilation: none normally required  
Protective gloves: none normally required  
Eye protection: safety glasses if eye contact is likely; eyewash fountain should be

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

Precautions to be taken in handling and storage: store away from high temperature,  
Other precautions: wash hands after use. Immerse contaminated rags in water.  
-----  
The information contained herein is based on the data available to use and is believed