

* Figure Set *

01586-2009

MATERIAL SAFETY DATA SHEET

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

Product: GAMSOL**SECTION 1 -- PRODUCT IDENTITY**

Date prepared: 11/28/94

Emergency telephone no. 503/235-1945

Preparer's Name: R. Gamblin

HMIS Information

Health 1

Chemical name: Petroleum Solvent Mixture

Flammability 2

Reactivity 0

Chemical formula: N/A (mixture)

DOT shipping class: Combustible Liquid

SECTION II -- HAZARDOUS INGREDIENTS

Chemical names	CAS#	Wt%	ACGIH TLV
Hydrotreated heavy naphtha petroleum	64742-48-9	100%	300ppm for an 8 hr work day

It consists predominantly of C11-C13 isoparaffinic hydrocarbons.

C11-C15 saturated hydrocarbons	MIXTURE	99%
C84 aromatics	MIXTURE	Less than 0.02%

This product and all components are listed on the U.S. TSCA inventory.
 These are reportable chemicals under 40 CFR 372. SARA Title III Section 313

SECTION III -- PHYSICAL CHARACTERISTICS

Boiling Range: 365-403 degrees F	Specific gravity: (15.6 C/15.6 C) (0.77)
Vapor pressure: <10mm Hg@ 25C ASTM D 2879	% volatile (volume): 100 @ 1 atm and 25 C (77 F)
Vapor density: >5	Evaporation rate (BuOAc = 1): 0.1

Solubility (specify solvents): Insoluble in water. Soluble in most petroleum solvents.
 Appearance and odor: Clear water-white liquid; essentially odorless.

SECTION IV -- FIRE & EXPLOSION DATA

Flash point: 145 degree F Flammable Limits: LEL: 0.6 VEL: 7.0
 Extinguishing media: CO2 , dry chemical, water fog

Section IV – Fire & Explosion Data

Flash Point: 147 degrees F Flammable Limits: LEL: 0.6 VEL: 7.0
Extinguishing Media: CO2, dry chemical, and water fog
Special Firefighting Procedures: Water or foam may cause frothing if directed into a container of burning material. Use water to cool containers exposed to heat.
Unusual Fire and 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: None known
Hazardous Decomposition Products: Fumes, smoke carbon monoxide, aldehydes and other decomposition products, in case of incomplete combustion.
Unusual Products of Combustion: CO, CO2 and possibly acrolein.

Section V – Health Hazard Data

Route(s) of Entry: Eye contact, ingestion, inhalation, or skin contact
Acute Health Effects: Eye contact may cause redness or irritation.
Inhalation: Dizziness, nausea, headache, and possible nervous system depression
Ingestion: Nausea, gastrointestinal irritation, or vomiting
Skin Contact: May cause rash, cracking, dryness, or defatting of the skin
EMERGENCY FIRST AID PROCEDURES:
Eye Contact: Wash with clean water for at least 15 minutes. If irritation persists, get medical attention.
Inhalation: If overcome by vapor, remove from exposure and call a physician immediately. If breathing is irregular or has stopped, start resuscitation, administer oxygen if available.
Ingestion: *Do not induce vomiting.* Give water or milk to drink, get medical attention.
Skin Contact: In case of skin contact, wash skin thoroughly with soap and water.
CHRONIC HEALTH EFFECTS: Skin contact may aggravate existing dermatitis.

Section VI – Spill or Leak Procedure

Steps to be taken in Case of Material Spill: Remove all sources of ignition. Soak up spill with absorbent materials.
Waste Disposal Method: Rags and other absorbent materials should be immersed in water. Small amounts can be dried and disposed of as regular trash.

Section VII – Special Protection Data

Respiratory Protection: Use supplied air respiratory protection in confined or enclosed spaces, if needed.
Ventilation: Use only with ventilation sufficient to prevent exceeding recommended exposure limit or buildup of explosive concentrations of vapor in the air. No smoking, flame, or other ignition sources.
Protective Gloves: Use chemical resistant gloves, if needed, to avoid prolonged or repeated skin contact.
Eye Protection: Safety glasses if eye contact is likely; eyewash fountain should be accessible.

Section VIII – Storage & Handling Data

Precautions to be Taken in Handling and Storage: Store away from high temperatures, sparks, or open flame. Read and observe all precautions on the product label.
Other Precautions: Wash hands after use. Immerse contaminated rags in water.

The information contained herein is based on the data available 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.

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: get medical attention.
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 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: 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 accessible.

SECTION III – STORAGE & HANDLING DATA

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.

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

MATERIAL SAFETY DATA SHEET

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

Product: Burnt Sienna, Burnt Umber, Indian Red, Raw Sienna, Raw Umber, Yellow Ochre, Mars Black, Terre Verte, Mars Orange Artists' Oil Color, Gold Ochre

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 material

SECTION II -- HAZARDOUS INGREDIENTS

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

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: Various colors; 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
 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:

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 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: none normally required
Eye protection: safety glasses if eye contact is likely; eyewash fountain should be accessible.

SECTION III – STORAGE & HANDLING DATA

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.

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.

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' Oil Color

SECTION I -- PRODUCT IDENTITY

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

Preparer's Name: R. Gamblin
Chemical name: Vegetable oil/pigment mixture
Chemical formula: N/A (mixture)

HMIS Information
Health 1
Flammability 1
Reactivity 0

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
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 solvents.
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
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 know 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 affects to linseed oil.

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: none normally required
 Eye protection: safety glasses if eye contact is likely, eyewash fountain should be accessible.

SECTION III -- STORAGE & HANDLING DATA

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.

The information contained herein is based on the data available to use and is believe 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 hercin.

MATERIAL SAFETY DATA SHEET

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

Product: Transparent Earth Red, Asphaltum Artists' Oil Color, Brown Pink

SECTION 1 -- PRODUCT IDENTITY

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

Preparer's Name: R. Gamblin	HMIS Information
Chemical name: Vegetable oil/pigment mixture	Health 1
Chemical formula: N/A (mixture)	Flammability 1
	Reactivity 0

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
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 solvents.
Appearance and odor: Red 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
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 know 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 affects to linseed oil.

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: none normally required
Eye protection: safety glasses if eye contact is likely; eyewash fountain should be accessible.

SECTION III -- STORAGE & HANDLING DATA

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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MATERIAL SAFETY DATA SHEET

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

Product: Transparent Earth Orange Artists' Oil Color

SECTION I -- 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 material.

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 solvents.
Appearance and odor: Orange 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
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 know 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 affects to linseed oil.

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: none normally required
Eye protection: safety glasses if eye contact is likely; eyewash fountain should be accessible.

SECTION III -- STORAGE & HANDLING DATA

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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MATERIAL SAFETY DATA SHEET

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

Product: Olive Green Artists' Oil Color

SECTION I -- 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 material.

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 solvents.
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
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 know 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 affects to linseed oil.

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: none normally required
 Eye protection: safety glasses if eye contact is likely; eyewash fountain should be accessible.

SECTION III -- STORAGE & HANDLING DATA

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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MATERIAL SAFETY DATA SHEET

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

Product: Caucasian Flesh Tone Artists' Oil Color

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 material.

SECTION II -- HAZARDOUS INGREDIENTS

Chemical names	CAS#	Wt%	OSHA PEL	ACGIH TLV
Cadmium sulfide (as Cd)	1306-23-6	59-97	5/mg/m3	10/2mg/m3
Cadmium selenide (as Se)			10/2mg/m3	1306-24-7 3-55 5mg/m3
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

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: Pink 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
 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 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.

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: none normally required
 Eye protection: safety glasses if eye contact is likely; eyewash fountain should be accessible.

SECTION III -- STORAGE & HANDLING DATA

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.

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.

MATERIAL SAFETY DATA SHEET

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

Product: Quinacridone Red, Quinacridone Magenta, Quinacridone Violet, Alizarin Permanent Artists' Oil Color

SECTION I -- 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 material.

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 solvents.
Appearance and odor: Bluish red 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
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:

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 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: none normally required
Eye protection: safety glasses if eye contact is likely; eyewash fountain should be accessible.

SECTION III -- STORAGE & HANDLING DATA

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.

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.

MATERIAL SAFETY DATA SHEET

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

Product: Venetian Red Artists' Oil Color

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
Chemical formula: N/A (mixture)	Reactivity 0

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
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 solvents.
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 & 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
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 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: none normally required
Eye protection: safety glasses if eye contact is likely; eyewash fountain should be accessible.

SECTION III -- STORAGE & HANDLING DATA

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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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 Artists' Oil Color

SECTION 1 -- PRODUCT IDENTITY

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

Preparer's Name: R. Gamblin
Chemical name: Vegetable oil/pigment mixture
Chemical formula: N/A (mixture)

HMIS Information
Health 1
Flammability 1
Reactivity 0

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
Zinc Oxide*	1314-13-2	50-60		10mg/m3(as dust)

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

SECTION III -- PHYSICAL CHARACTERISTICS

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: White 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
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 know 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 affects to linseed oil.

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: none normally required
Eye protection: safety glasses if eye contact is likely; eyewash fountain should be accessible.

SECTION III -- STORAGE & HANDLING DATA

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.

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