SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT

Product Name: Raw Sienna Dry Pigment
Product Description: Pigment, colorant
Intended Use: Fine art painting and decorative coatings

COMPANY

Company Name: Gamblin Artists Colors
Company Address: 2734 SE Raymond St.
Portland, OR 97202
USA
Company Phone: 503-235-1945
Emergency Phone: Local Emergency Room

SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION: Carc. 1A H350

LABEL ELEMENTS:

Hazard symbol:

Signal word: Danger
Hazard statement: H350 - May cause cancer (Inhalation).
Precautionary statements:
P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P280 - Wear eye protection, protective clothing, protective gloves.
P308+P313 - If exposed or concerned: Get medical advice/attention.
P405 - Store locked up.
P501 - Dispose of contents/container according to local, regional, national, and international regulations.

HAZARDS NOT OTHERWISE CLASSIFIED (HNOC):
Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CAS NUMBER/OTHER IDENTIFIERS

Name	CAS#	Concentration (%)	Classification (GHS-US)
Sienna (Earth Minerals)	1317-63-1	70-80	Not classified
Iron oxide yellow	51274-00-1	16-20	Not classified
Iron oxide red	1309-37-1	1-4	Not classified
Quartz	14808-60-7	0.2-0.4	Carc. 1A, H350 STOT SE 3, H335 STOT RE 1, H372

SECTION 4: FIRST AID MEASURES

Eyes: Wash with clean water for at least 15 minutes. If irritation persists, get medical attention.

Skin: Flush contaminated skin with plenty of water.

Inhalation: Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.

Ingestion: Do NOT induce vomiting. Rinse mouth. Call a doctor/physician if problems arise.

Most important symptoms and effects, both acute and delayed:

May cause cancer. May cause respiratory irritation. May cause skin irritation. May cause eye irritation. Ingestion is likely to be harmful or have adverse effects. If you feel unwell, seek medical advice (show the label if possible). Chronic Symptoms: May cause cancer.

SECTION 5: FIRE FIGHTING MEASURES

FIRE FIGHTING

Extinguishing Media: Use extinguishing agent suitable for type of surrounding fire.

Unsuitable Extinguishing Media:

Do not use a heavy water stream. Use of heavy stream of water may spread fire.

Special Fire Fighting Procedures:

Use protective equipment appropriate for surrounding materials.
Not a fire hazard. Product is not flammable. Product is not explosive.
Hazardous reactions will not occur under normal conditions.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

General Measures: Avoid all contact with skin, eyes, or clothing. Avoid breathing dust.

NON-EMERGENCY PERSONNEL

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

EMERGENCY RESPONDERS

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Stop spill if safe to do so. Eliminate ignition sources. Ventilate area.

ENVIRONMENTAL PRECAUTIONS

General Measures: Prevent entry to sewers and public waters.

METHODS FOR MATERIAL CONTAINMENT AND CLEAN-UP

For Containment: Contain and collect as any solid.

Methods for Clean-up: Clear up spills immediately and dispose of waste safely. Spills should be contained with mechanical barriers. Transfer spilled material to a suitable container for disposal.

ADDITIONAL

See Section 8. Exposure controls and personal protection.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking

CONDITIONS FOR SAFE STORAGE

Technical Measures: Comply with applicable regulations.

Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use.

Incompatible Products: Strong acids. Strong bases. Strong oxidizers.

SPECIFIC END USE(S) Inorganic pigment.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS

Iron oxide (1309-37-1)		
USA ACGIH	ACGIH TWA (mg/m³)	5 mg/m³
USA NIOSH	NIOSH REL (TWA) (mg/m³)	5 mg/m³
USA IDLH	US IDLH (mg/m³)	2500 mg/m³
USA OSHA	OSHA PEL (TWA) (mg/m³)	5 mg/m³
Quartz (14808-60-7)		
USA ACGIH	ACGIH TWA (mg/m³)	0.025 mg/m³
USA NIOSH	NIOSH REL (TWA) (mg/m³)	0.05 mg/m³
USA IDLH	US IDLH (mg/m³)	50 mg/m³
USA OSHA	OSHA PEL (STEL) (mg/m³)	250 mppcf/%SiO_2+5, 10mg/m³/%SiO_2+2
Inert or Nuisance Dust		
USA ACGIH	ACGIH TWA (mg/m³)	3 mg/m³ Respirable fraction 10 mg/m³ Total Dust
USA OSHA	OSHA PEL (TWA) (mg/m³)	5 mg/m³ Respirable fraction 15 mg/m³ Total Dust

EXPOSURE CONTROLS

Appropriate Engineering Controls:

Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.

Personal Protective Equipment:

Protective goggles. Gloves. Protective clothing. Insufficient ventilation: wear respiratory protection.

Materials for Protective Clothing:

Chemically resistant materials and fabrics.

Hand Protection: Wear chemically resistant protective gloves.

Eye Protection: Chemical goggles or safety glasses.

Skin and Body Protection:

Wear suitable protective clothing.

Respiratory Protection: Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.

Environmental Exposure Controls:

Do not allow the product to be released into the environment.

Consumer Exposure Controls:

Do not eat, drink or smoke during use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

GENERAL INFORMATION

Physical State:	Powder
Color:	Yellow/brown
Odor:	None
Odor Threshold:	N/D

IMPORTANT HEALTH, SAFETY, AND ENVIRONMENTAL INFORMATION

Boiling Point:	N/A
Melting Point:	N/D
Freezing Point:	N/A
Vapor Pressure:	N/A
Vapor Density:	N/A
Relative Density:	3.9
Evaporation Rate:	N/A
Solubility in Water:	Insoluble
Solids by Weight:	N/D
Tap Density	0.8 g/cc
VOC Content:	0%
Molecular Weight:	N/A
Viscosity:	N/D
Decomposition Temp:	N/D
pH:	6-7

SECTION 10: STABILITY AND REACTIVITY

INFORMATION ON STABILITY AND REACTIVITY

Stability:	Material is stable under normal conditions
Conditions to Avoid:	Extremely high or low temperatures. Ignition sources. Incompatible materials.
Materials to Avoid:	Strong acids. Strong bases. Strong oxidizers. This material contains synthetic iron oxide which is incompatible with hydrazine,

calcium hypochlorite, performic acid, and ethylene oxide.

Hazardous Decomposition or Bi-Products:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Possibility of Hazardous Reactions:

Under normal conditions of storage and use, hazardous reactions will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

Acute Toxicity:	Not classified	
Iron oxide (1309-37-1)	LD50 Oral Rat	> 10000 mg/kg
	IARC group	3
Quartz (14808-60-7)	LD50 Oral Rat	> 5000 mg/kg
	LD50 Dermal Rat	> 5000 mg/kg
	IARC group	1

Skin Corrosion/Irritation: Not classified

Serious Eye Damage/Irritation: Not classified

Respiratory or Skin Sensitization: Not classified

Germ Cell Mutagenicity: Not classified

Carcinogenicity: May cause cancer (Inhalation)

National Toxicity Program (NTP) Status: Known Human Carcinogens

Reproductive Toxicity: Not classified

Specific Target Organ Toxicity (Single Exposure): Not classified

Specific Target Organ Toxicity (Repeated Exposure): Not classified

Aspiration Hazard: Not classified

Chronic Symptoms: May cause cancer.

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS

Inhalation: May cause respiratory irritation

Ingestion: No adverse effects due to ingestion are expected

Skin: May cause skin irritation

Eye: May cause eye irritation

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION

Ecotoxicity: No information available

Mobility: No information available

PERSISTENCE AND MOBILITY

Biodegradation: No information available

Bioaccumulative potential: No information available

Mobility in Soil: No additional information available

Other Information: Avoid release to the environment

SECTION 13: DISPOSAL CONSIDERATIONS

NOTE: Disposal recommendations based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at the time of disposal.

Waste Disposal: Dispose of in accordance with national, state, and local regulations.
Avoid release to the environment.

Empty Container: Empty containers should be taken for recycling, recovery, or disposal through suitably qualified or licensed contractor and in accordance with governmental regulations.

SECTION 14: TRANSPORT INFORMATION

LAND (DOT): Not regulated
SEA (IMDG): Not regulated
AIR (IATA): Not regulated

SECTION 15: REGULATORY INFORMATION

US FEDERAL REGULATIONS

SARA Section 311/312 Hazard Classes Delayed (chronic) health hazard

Sienna (1317-63-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Iron oxide yellow (51274-00-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Iron oxide red (1309-37-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Quartz (14808-60-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

US STATE REGULATIONS

Quartz (14808-60-7)

California Proposition 65 - Carcinogens List
WARNING: This product contains chemicals known to the State of California to cause cancer.

Massachusetts Right To Know List U.S.

New Jersey Right to Know Hazardous Substance List

Pennsylvania RTK (Right to Know) List

Iron Oxide Red (1309-37-1)

Massachusetts Right To Know List

New Jersey Right to Know Hazardous Substance List

Pennsylvania RTK (Right to Know) List

INTERNATIONAL REGULATIONS:

COUNTRY	CHEMICAL INVENTORY	STATUS
Europe	EINECS	All ingredients are either listed or exempt.
Canada	DSL	All ingredients are listed, including those by way of naturally occurring ores.
China	IECSC	All ingredients are listed.
Japan	METI	All ingredients are either listed or exempt as naturally occurring minerals.
Australia	AICS	Listed
Korea	KECL	Unknown
New Zealand	NZIoC	Listed with limitations.
Philippines	PICCS	All ingredients are listed.

SECTION 16: OTHER INFORMATION

GHS FULL TEXT PHRASES

Carc. 1A	Carcinogenicity Category 1A
STOT RE 1	Specific target organ toxicity (repeated exposure) Category 1
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H335	May cause respiratory irritation
H350	May cause cancer
H372	Causes damage to organs through prolonged or repeated exposure

HMIS III Rating: Health 1 (Slight Hazard - Irritation or minor reversible injury possible)
Fire 0 (Minimal Hazard)
Reactivity 0 (Minimal Hazard)
Personal Protection E (Glasses, gloves, dust respirator)

N/D = Not determined, N/A = Not applicable

THIS SAFETY DATA SHEET CONTAINS THE FOLLOWING REVISIONS:

Updates made in accordance with implementation of GHS requirements.

The information and recommendations contained herein are, to the best of Gamblin's knowledge and belief, accurate and reliable, but it is not warranted to be. You can contact Gamblin to ensure that this document is the most current available. The information and recommendations are offered for the user's consideration and examination. It is the user's responsibility to satisfy itself that the product is suitable for the intended use and it is the user's responsibility to carefully read the product label and follow instructions for safe use of the product.