SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT

Product Name: Indian Red Dry Pigment
Product Description: Dry pigment
Synonyms: Synthetic Red Iron Oxide
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

GHS HAZARD CLASSIFICATION: NOT CLASSIFIED

GHS LABEL ELEMENTS:

SIGNAL WORD: NO SIGNAL WORD
LABEL CODES / PICTOGRAMS:
NO PICTOGRAMS
HAZARD STATEMENTS: NONE UNDER GHS CLASSIFICATION

PRECAUTIONARY STATEMENTS

PREVENTION: NONE ASSIGNED UNDER GHS
RESPONSE: NONE ASSIGNED UNDER GHS
STORAGE: NONE ASSIGNED UNDER GHS
DISPOSAL: NONE ASSIGNED UNDER GHS

OTHER HAZARDS: Exposure may aggravate those with pre-existing eye, skin or respiratory conditions.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS:

Chemical Name	Product Identifier	%	Classification (GHS-US)
Iron oxide (Fe2O3)	**CAS#** 1309-37-1	99	Not classified
Water	CAS# 7732-18-5	1	Not classified

SECTION 4: FIRST AID MEASURES

FIRST AID/RESPONSE

Eyes: IF IN EYES RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING. GET MEDICAL ADVICE/ATTENTION IF IRRITATION OCCURS.

Skin: IF ON SKIN PROMPTLY WASH OFF WITH SOAP & WATER. REMOVE CONTAMINATED CLOTHING. GET MEDICAL ADVICE/ATTENTION IF IRRITATION OCCURS. WASH CONTAMINATED CLOTHING BEFORE REUSE.

Inhalation: IF INHALED REMOVE VICTIM TO FRESH AIR AND KEEP AT REST IN A POSITION COMFORTABLE FOR BREATHING. GET MEDICAL ADVICE/ATTENTION IF ANY ADVERSE SYMPTOMS OCCUR.

Ingestion: IF SWALLOWED RINSE MOUTH WITH WATER, THEN DRINK WATER TO DILUTE. DO NOT INDUCE VOMITING. NEVER GIVE ANYTHING BY MOUTH IF THE VICTIM IS UNCONSCIOUS. GET MEDICAL ATTENTION IF LARGE QUANTITY IS INGESTED OR IF YOU FEEL UNWELL.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED

Symptoms/Injuries:

Not expected to present a significant hazard under anticipated conditions of normal use.

Symptoms/Injuries After Inhalation:

May cause respiratory irritation.

Symptoms/Injuries After Skin Contact:

May cause skin irritation.

Symptoms/Injuries After Eye Contact:

Obtain medical attention if there is persistent irritation.

Symptoms/Injuries After Ingestion: Ingestion is not likely to be harmful or have adverse effects.

Chronic Symptoms: None expected under normal conditions of use.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY

If you feel unwell, seek medical advice (show the label where possible).

SECTION 5: FIRE FIGHTING MEASURES

FIRE FIGHTING

Extinguishing Media:

Suitable Extinguishing Media:

Use extinguishing media appropriate for 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:

Fire Hazard: Not flammable.

Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

Advice for fire-fighters:

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.
Firefighting Instructions: Use water spray or fog for cooling exposed containers.
Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.
Other Information: Refer to Section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Avoid breathing dust.

For Non-emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).
Emergency Procedures: Use safe, appropriate practices.

For 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

Prevent entry to sewers and public waters.

Methods and Material for Containment and Cleaning Up

For Containment: Contain and collect as any solid.
Methods for Cleaning 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.

Reference to Other Sections

See Heading 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 or smoking and when leaving work.

Cautions 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.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS:

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

Iron Oxide (Fe2O3) (1309-37-1)		
USA IDLH	USA IDLH (mg/m³)	2500 mg/m3 (dust and fume)
USA OSHA	OSHA PEL (TWA) (mg/m³)	10 mg/m3 (fume) 15 mg/m3 (total dust) 5 mg/m3 (respirable fraction)

Exposure Controls:

Appropriate Engineering Controls

Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains 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 Suitable materials with adequate ventilation.
Hand Protection Wear protective gloves.
Eye Protection Safety glasses with side shields, or goggles, are recommended.
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

Information on basic physical and chemical properties

Physical State: solid
Appearance: Red powder
Odor: Odorless
Odor threshold: No data available
pH: 6 - 7
Evaporation rate No data available

Melting point:	> 1000 ºC (1832 °F)
Freezing point:	No data available
Boiling point:	No data available
Flash point:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Flammability (solid, gas):	No data available
Relative Vapor density at 20ºC	No data available
Relative density:	No data available
Specific Gravity:	4.9
Tap Density:	1.0 g/cc
Solubility:	Insoluble
Partition coefficient, n-octanol/water:	No data available
Viscosity:	No data available
Other information	
VOC Content	0%

SECTION 10: STABILITY AND REACTIVITY

Reactivity:
No hazardous reaction known under normal conditions of use
Chemical Stability:
Stable under recommended handling and storage conditions (see section 7).
Possibility of Hazardous Reactions:
Hazardous polymerization will not occur.
Conditions to Avoid:
Direct sunlight. Extremely high or low temperatures. Ignition sources. Incompatible materials.
Incompatible materials:
Strong acids. Strong bases. Strong oxidizers.
Hazardous Decomposition Products:
Not available

SECTION 11: TOXICOLOGICAL INFORMATION

Acute oral Toxicity:	LD50 oral, rat: > 10,000 mg/kg
Acute Toxicity:	Not classified
Skin Corrosion/Irritation:	Not classified
Serious Eye Damage/Irritation:	Not classified
Respiratory or Skin Sensitization:	Not classified
Germ Cell Mutagenicity:	Not classified
Carcinogenicity:	Not classified
Reproductive Toxicity:	Not classified
Specific Target Organ Toxicity (Single Exposure):	Not classified
Specific Target Organ Toxicity (Repeated Exposure):	Not classified
Aspiration Hazard:	Not classified
Symptoms/Injuries After Inhalation:	May cause respiratory irritation.
Symptoms/Injuries After Skin Contact:	May cause skin irritation.
Symptoms/Injuries After Eye Contact:	Obtain medical attention if there is persistent irritation.
Symptoms/Injuries After Ingestion:	Ingestion is not likely to be harmful or have adverse effects.

Chronic Symptoms: None expected under normal conditions of use.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity No additional information available
Persistence and Degradability No additional information available
Bioaccumulative Potential Not expected to be bio-accumulating
Mobility in Soil No additional information available
Other Adverse Effects
Other Information Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods
Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, and international regulations.
Ecology – Waste Materials: Avoid release to the environment.

SECTION 14: TRANSPORT INFORMATION

In Accordance with DOT Not regulated for transport
In Accordance with IMDG Not regulated for transport
In Accordance with IATA Not regulated for transport

SECTION 15: REGULATORY INFORMATION

US Federal Regulations
Iron oxide (Fe3O4) (1309-37-1)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

US State Regulations

ide (Fe3O4) (1309-37-1)
U.S. - Massachusetts – Listed U.S. - New Jersey – Listed U.S. - Pennsylvania – Listed

International

COUNTRY	CHEMICAL INVENTORY	STATUS
Europe	EINECS	215-570-8
Canada	DSL	Listed
China	IECSC	Listed
Japan	METI	Listed

Australia	AICS	Listed
Korea	KECL	Listed
New Zealand	NZIoC	Listed
Philippines	PICCS	Listed

SECTION 16: OTHER INFORMATION

HMIS III Rating

Health	1 Slight Hazard - Irritation or minor reversible injury possible
Flammability	0 Minimal Hazard
Physical	0 Minimal Hazard
Personal Protection	E (glasses, gloves, dust respirator)

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