

SAFETY DATA SHEET: Mars Orange Dry Pigment  
REVISED: 5/1/2023

02959-4674



## SAFETY DATA SHEET

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

#### PRODUCT

**Product Name:** Mars Orange Dry Pigment  
**Product Description:** Dry pigment  
**Synonyms:** Synthetic Orange 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 yellow	CAS# 51274-00-1	85 - 95	Not classified
Iron oxide red	CAS# 1309-37-1	5 - 15	Not classified

SAFETY DATA SHEET: Mars Orange Dry Pigment  
REVISED: 5/1/2023

## SECTION 4: FIRST AID MEASURES

### FIRST AID/RESPONSE

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

<b>Fire Hazard:</b>	Not flammable.
<b>Explosion Hazard:</b>	Product is not explosive.
<b>Reactivity:</b>	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.

SAFETY DATA SHEET: Mars Orange Dry Pigment  
 REVISED: 5/1/2023

**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/m <sup>3</sup> )	3 mg/m <sup>3</sup> Respirable Fraction, 10 mg/m <sup>3</sup> Total Dust
USA OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> Respirable Fraction, 15 mg/m <sup>3</sup> Total Dust

Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ) (1309-37-1)
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SAFETY DATA SHEET: Mars Orange Dry Pigment  
REVISED: 5/1/2023

<b>USA ACGIH</b>	ACGIH TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (respirable fraction)
<b>USA NIOSH</b>	NIOSH REL (TWA) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup> (dust and fume)
<b>USA IDLH</b>	USA IDLH (mg/m <sup>3</sup> )	2500 mg/m <sup>3</sup> (dust and fume)
<b>USA OSHA</b>	OSHA PEL (TWA) (mg/m <sup>3</sup> )	10 mg/m <sup>3</sup> (fume) 15 mg/m <sup>3</sup> (total dust) 5 mg/m <sup>3</sup> (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

<b>Physical State:</b>	solid
<b>Appearance:</b>	Orange powder
<b>Odor:</b>	Odorless
<b>Odor threshold:</b>	No data available
<b>pH:</b>	4 - 7
<b>Evaporation rate</b>	Not applicable
<b>Melting point:</b>	> 1000 °C (1832 °F)
<b>Freezing point:</b>	No data available
<b>Boiling point:</b>	No data available
<b>Flash point:</b>	Not flammable

SAFETY DATA SHEET: Mars Orange Dry Pigment  
 REVISED: 5/1/2023

<b>Auto-ignition temperature:</b>	Not applicable
<b>Decomposition temperature:</b>	No data available
<b>Flammability (solid, gas):</b>	Solid, not flammable
<b>Relative Vapor density at 20°C</b>	No data available
<b>Relative density:</b>	No data available
<b>Specific Gravity:</b>	4.4
<b>Tap Density:</b>	0.7 g/cc
<b>Solubility:</b>	Insoluble
<b>Partition coefficient, n-octanol/water:</b>	No data available
<b>Viscosity:</b>	Not applicable
<b>Other information</b>	
<b>VOC Content</b>	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:

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

<b>Acute oral Toxicity:</b>	LD50 oral, rat: > 10,000 mg/kg
<b>Acute Toxicity:</b>	Not classified
<b>Skin Corrosion/Irritation:</b>	Not classified
<b>Serious Eye Damage/Irritation:</b>	Not classified
<b>Respiratory or Skin Sensitization:</b>	Not classified
<b>Germ Cell Mutagenicity:</b>	Not classified
<b>Carcinogenicity:</b>	Not classified
<b>IARC GROUP:</b>	<b>3</b>
<b>Reproductive Toxicity:</b>	Not classified
<b>Specific Target Organ Toxicity (Single Exposure):</b>	Not classified
<b>Specific Target Organ Toxicity (Repeated Exposure):</b>	Not classified
<b>Aspiration Hazard:</b>	Not classified
<b>Symptoms/Injuries After Inhalation:</b>	May cause respiratory irritation.
<b>Symptoms/Injuries After Skin Contact:</b>	May cause skin irritation.
<b>Symptoms/Injuries After Eye Contact:</b>	Obtain medical attention if there is persistent irritation.
<b>Symptoms/Injuries After Ingestion:</b>	Ingestion is not likely to be harmful or have adverse effects.
<b>Chronic Symptoms:</b>	None expected under normal conditions of use.

## SECTION 12: ECOLOGICAL INFORMATION

SAFETY DATA SHEET: Mars Orange Dry Pigment  
 REVISED: 5/1/2023

<b>Toxicity</b>	No additional information available
<b>Persistence and Degradability</b>	No additional information available
<b>Bioaccumulative Potential</b>	No additional information available
<b>Mobility in Soil</b>	No additional information available
<b>Other Adverse Effects</b>	
<b>Other Information</b>	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

<b>In Accordance with DOT</b>	Not regulated for transport
<b>In Accordance with IMDG</b>	Not regulated for transport
<b>In Accordance with IATA</b>	Not regulated for transport

### SECTION 15: REGULATORY INFORMATION

#### US Federal Regulations

##### Iron oxide red (Fe<sub>2</sub>O<sub>3</sub>) (1309-37-1)

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

#### US State Regulations

##### Iron oxide red (Fe<sub>2</sub>O<sub>3</sub>) (1309-37-1)

U.S. - Massachusetts – Listed  
 U.S. - New Jersey – Listed  
 U.S. - Pennsylvania – Listed

#### International

COUNTRY	CHEMICAL INVENTORY	STATUS
Europe	EINECS	Listed
Canada	DSL	Listed
China	IECSC	Listed
Japan	METI	Listed
Australia	AICS	Listed
New Zealand	NZIoC	Listed

SAFETY DATA SHEET: Mars Orange Dry Pigment  
REVISED: 5/1/2023

Philippines	PICCS	Listed
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## SECTION 16: OTHER INFORMATION

### HMIS III Rating

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

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