

SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT

Product Name: Ultramarine Blue Dry Pigment
Product Description: Dry pigment
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

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS:

Chemical Name	Common Name	CAS#	Concentration 0(%)
Ultramarine Blue (Pigment Blue 29, CI 77007)	Ultramarine Blue	57455-37-5	100

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. INDUCE VOMITING ONLY UNDER THE DIRECTION OF MEDICAL PERSONNEL. 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

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

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

Treat symptomatically and supportively.

SECTION 5: FIRE FIGHTING MEASURES

FIRE FIGHTING

Extinguishing Media:

Suitable Extinguishing Media: Foam, water spray, dry chemical powder, carbon dioxide or sand.
Unsuitable Extinguishing Media: Do not use a heavy water stream.

Special Fire Fighting Procedures:

Hazards from the substance: Thermal decomposition, temperature above 400 °C, can lead to SO₂ gas release.

Advice for fire-fighters:

Wear self-contained breathing apparatus and protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Provide adequate ventilation. Evacuate unnecessary personnel. Wear personal protection equipment (See section 8).

Environmental Precautions:

Do not allow to enter into surface water or drains. Ensure waste is collected and contained.

Methods for clean up:

On land, sweep or shovel into suitable containers for disposal or recovery. Minimize generation of dust.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling:

Handling: Avoid breathing dust. Avoid contact with skin or eyes. Wash thoroughly after handling. Keep container tightly closed. Wear appropriate personal protective equipment as specified in Section 8.

Technical protective measures: Provide adequate ventilation to minimize dust concentration.

Cautions for Safe Storage:

Keep only in the original container in cool, dry, well-ventilated places away from incompatible materials. Keep container closed when not in use.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS:

Occupational Exposure Limits

No specific limits have been established for Ultramarine Blue. As a guideline, OSHA and ACGIH have established the following limits which are generally recognized for inert or nuisance dusts.

Exposure Limits: Particulates Not Otherwise Regulated (PNOR)		
ACGIH TLV	OSHA PEL	NIOSH REL
Inhalable: 10 mg/m ³ (8h) Respirable: 3 mg/m ³ (8h)	Total dust: 15 mg/m ³ (8h) Respirable: 5 mg/m ³ (8h)	Not established

Engineering Controls:

If needed use local exhaust ventilation to keep dust concentration below limits cited in this Section.

Respiratory Protection	Dust mask required in dusty environments or exceeding total dust limits.
Hand/Skin Protection	Wear appropriate protective gloves and clothing.
Eye Protection	Wear appropriate chemical safety glasses/goggles.
General Protective Hygiene Measures	Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance:	Solid, fine powder
Color:	Blue
Odor:	Odorless
pH:	6 – 9 [ASTM D-1208-78]
Melting point:	> 1000 °C
Boiling point:	Not applicable
Flash point:	Not applicable
Flammability (solid, gas):	Not flammable
Explosive properties:	Not explosive
Vapor pressure at 20°C:	Not applicable
Vapor density:	Not applicable
Density:	2.35 g/cm ³ [ASTM D-153-84] (water=1)
Solubility in water:	Insoluble
Partition coefficient, n-octanol/water:	Not applicable
Auto-ignition temperature:	Not applicable
Decomposition temperature:	400 °C
Viscosity:	Not applicable

SECTION 10: STABILITY AND REACTIVITY

Reactivity:

No hazardous reaction known under normal conditions of use

Chemical Stability:

Stable under normal conditions

Conditions/Materials to Avoid:

At temperatures above 400 °C in the presence of air, Sulfur Dioxide(SO₂) gas can be released

Hazardous Decomposition Products:

At temperatures above 400 °C in the presence of air, Sulfur Dioxide (SO₂) gas can be released. Hydrogen sulfide may be released in contact with acids. (Not resistant grades)

Incompatible materials:

Strong acids and bases

Possibility of Hazardous Reactions:

Stable under normal conditions

SECTION 11: TOXICOLOGICAL INFORMATION

Acute oral Toxicity:	LD50 oral, rat: > 10000 mg/kg
Acute Toxicity:	Based on available data, the classification criteria are not met
Chronic Toxicity:	Based on available data, the classification criteria are not met
Irritation:	Non-irritant
Sensitization:	Non-sensitizing
Mutagenicity:	Non-mutagenic
Carcinogenicity:	No human carcinogen
Reproductive toxicity:	No toxic for reproduction
Aspiration hazard:	Not applicable

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Based on available data, the classification criteria are not met
LC50 (Fish 96 h) : > 32000 mg/L

Persistence and degradability

Not applicable (Inorganic substance)

Bioaccumulative potential

Not applicable

Mobility in soil

Not applicable

Results of PBT and vPvB assessment

The substance does not meet the criteria to be identified as PBT or vPvB

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose in a safe manner in accordance with local / state / Federal regulations. Avoid release to the environment.

It is responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal method in compliance with applicable regulations.

SECTION 14: TRANSPORT INFORMATION

DOT

Not regulated. Not dangerous good.

Transport by sea (IMO / IMDG)

Not regulated. Not dangerous good

Air transport (ICAO/ IATA)

Not regulated. Not dangerous good

SECTION 15: REGULATORY INFORMATION

US Federal Regulations

TSCA: CAS # 57455-37-5 is listed on TSCA Inventory

SARA Title III Rules

Section 302 – Extremely Hazardous Substances: None

Section 304 – CERCLA Hazardous Substances: None

Sections 311/312 – EPCRA (Hazard Classes)

Immediate (Acute): None

Delayed (Chronic): None

Fire: None

Release of pressure: None

Reactivity: None

Section 313 – Toxic Chemical Release Inventory (TRI): None

US State Regulations

Ultramarine Blue does not appear on the following state Right-To-Know Lists:

California Proposition 65

Florida Hazardous Substances List

Massachusetts Substance List

Michigan Critical Materials Register

Minnesota Hazardous Substances List

New Jersey Hazardous Substance List

Pennsylvania Hazardous Substance List

FDA

Ultramarine Blue is cleared in 21 CFR:

Part 178 under §178.3297 (Colorants for polymers)

Part 177 under §177.2600 (Colorants in Rubber Articles intended for repeated Use)

Part 177 under §177.1210 (Closures with sealing gaskets for food containers)

Part 175 under §175.300 (Resinous and polymeric coatings)

Part 73 under §73.2725 (Color Additives approved for use in Cosmetics) (Externally applied cosmetics including eye area use)

Note: Not all the grades of Ultramarine Blue are recommended for cosmetic or food contact applications. Users are asked to contact our technical service for further information.

Canada

DSL (Canadian Environmental Protection Act, Domestic Substances List): included

European Union

REACH (Regulation (EC) No 1907/2006): Nubiola registered substance, REACH no: 01-2119488928-13

EINECS (European Inventory of Existing Commercial Chemical Substances): 309-928-3
CLP (Regulation (EC) No 1272/2008): Ultramarine Blue is not classified as hazardous substance.

SECTION 16: OTHER INFORMATION

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.