SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT

Product Name: Prussian 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.
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: H315 - Causes skin reaction.
H320 - Causes eye irritation.
H335 - May cause respiratory irritation.

PRECAUTIONARY STATEMENTS

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P281 - Use personal protective equipment as required.
P391 - Collect spillage.
P403 + 233 - Store in well-ventilated place. Keep container tightly closed.

EMERGENCY OVERVIEW

Contact Rating: 2 - Moderate
Lab Protective Equip: Safety glasses

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS:

Chemical Name	CAS#	EINECS	Concentration 0(%)	Hazardous
Prussian Blue (Pigment Blue 27)	25869-00-5	247-304-1	100	No.

This material contains SARA 313 listed substances. See Section 15 for further details.

SECTION 4: FIRST AID MEASURES

NECESSARY MEASURES:

Inhalation: REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. GET MEDICAL ATTENTION IMMEDIATELY.

Ingestion: INDUCE VOMITING IMMEDIATELY AS DIRECTED BY MEDICAL PERSONNEL. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. GET MEDICAL ATTENTION IMMEDIATELY.

Skin: REMOVE CONTAMINATED CLOTHING AND SHOES. IMMEDIATELY FLUSH SKIN WITH PLENTY OF SOAP & WATER. THOROUGHLY CLEAN CONTAMINATED CLOTHING AND SHOES BEFORE REUSE. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.

Eyes: **I**MMEDIATELY FLUSH EYES WITH PLENTY OF LUKEWARM WATER FOR AT LEAST 15 MINUTES, LIFTING LOWER AND UPPER EYELIDS OCCASIONALLY. GET MEDICAL ATTENTION IMMEDIATELY.

SYMPTOMS/EFFECTS:

Inhalation: INHALATION OF DUSTS MAY IRRITATE THE NOSE, THROAT AND UPPER RESPIRATORY TRACT. IN SEVERE CASES, REMOVE TO FRESH AIR IMMEDIATELY. CALL PHYSICIAN.

Ingestion: NO SIGNIFICANT EFFECTS.

Skin: MAY CAUSE IRRITATION IF IN CONTACT FOR EXTENDED PERIODS OF TIME.

Eyes: THE MORE COMMON HAZARDS ARE LOCAL IRRITATION OR ABRASION. IN SEVERE CASES, ABSORPTION CAN OCCUR THROUGH EYE TISSUES AND MAY CAUSE CORNEAL INJURY.

Chronic exposure: **Inhalation:** REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. GET MEDICAL ATTENTION IMMEDIATELY.

Ingestion: INDUCE VOMITING IMMEDIATELY AS DIRECTED BY MEDICAL PERSONNEL. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. GET MEDICAL ATTENTION IMMEDIATELY.

Skin: REMOVE CONTAMINATED CLOTHING AND SHOES. IMMEDIATELY FLUSH SKIN WITH PLENTY OF SOAP & WATER. THOROUGHLY CLEAN CONTAMINATED CLOTHING AND SHOES BEFORE REUSE. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.

Eyes: **I**MMEDIATELY FLUSH EYES WITH PLENTY OF LUKEWARM WATER FOR AT LEAST 15 MINUTES, LIFTING LOWER AND UPPER EYELIDS OCCASIONALLY. GET MEDICAL ATTENTION IMMEDIATELY.

Chronic Exposure: NONE KNOWN.

Aggravation of Pre-existing conditions: NONE KNOWN.

SECTION 5: FIRE FIGHTING MEASURES

FIRE FIGHTING

Fire:

Not considered to be a fire hazard.

Explosion:

Not considered to be an explosion hazard. Sealed containers may rupture when heated.

Fire Extinguishing Media:

Use any means suitable for extinguishing surrounding fire. Do not allow water runoff to enter sewers or waterways. Carbon dioxide, water spray or foam are all suitable.

Fire Fighting Equipment:

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus. Incomplete burning will produce Hydrogen Cyanide gas. In the event of fire, noxious fumes of ammonia, hydrogen cyanide and carbon monoxide or dioxide may be liberated.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Ventilate area of leak or spill. Wear personal protection equipment (See section 8).

Spills: Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal.

SECTION 7: HANDLING AND STORAGE

Handling: Wear special personal protective equipment (Section 8) for maintenance break-in or where exposures may exceed established exposure levels. Wash hands, face, forearms and neck when exiting restricted areas.

Storage: Keep in a tightly closed container, stored in cool, dry, ventilated area away from direct sources of heat. Protect against physical damage. Isolate from incompatible materials. Observe all warnings and precautions listed for the product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

For Nuisance dust:

OSHA Threshold Limit Value (TLV):
15 mg/m3 TWA Total Dust
5 mg/m3 Respirable Dust

Ventilation System:

A system of local and/or general exhaust is recommended. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

Personal Protection:

NIOSH approved dust respirators are recommended when handling in areas where dusting of pigment can occur. Impervious clothing should be worn when cleaning up large spills or in areas where a large degree of contact would be expected. Safety glasses are recommended. Maintain eye wash fountain and quick-drench facilities in work area.

Skin Protection:

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Eye Protection:

Use chemical safety goggles and/or full-face shield where dusting or splashing of solutions is possible. Maintain eye wash fountain and quick-drench facilities in work area.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance:	Solid, fine powder
Color:	Blue

Odor:	Odorless
Solubility in water:	Insoluble
Specific Gravity:	1.70
pH:	4.5 - 6.5
Boiling point:	Not applicable
Vapor density:	Not applicable
Melting point:	Not applicable
Vapor pressure (mm Hg)	Not applicable
% Volatiles by volume	Not applicable
Evaporation rate (BuAc = 1)	Not applicable

SECTION 10: STABILITY AND REACTIVITY

Stability:
Stable under ordinary conditions of use and storage.
Hazardous Decomposition Products:
When involved in a fire, burning pigments may evolve noxious gases which are toxic. These compounds may include carbon monoxide, carbon dioxide, ammonia, nitrous oxides or hydrogen chloride depending upon the pigment type.
Hazardous Polymerization:
Will not occur.
Incompatibilities:
Avoid strong oxidizing agents such as peroxides, chlorates, perchlorates, nitrates and permanganates. Oxidizing material may vigorously evolve oxygen in large amounts.
Conditions to Avoid:
Incompatibles

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological Data:
Pigments in general are considered to be practically non-toxic. This low order of toxicity is probably due to the fact that pigments are somewhat inert and insoluble substances.
Reproductive Toxicity:
No known published data available.
Cancer Lists:

Ingredient	NTP Carcinogen		
	Known	Anticipated	IARC Category
None			

SECTION 12: ECOLOGICAL INFORMATION

Since organic pigments are generally insoluble compounds, they are believed to have minimal bioaccumulation and bioavailability characteristics.

When released into soil, the material may leach into groundwater. When released into the air, this material may be removed from the atmosphere to a moderate extent by wet deposition.
Environmental Toxicity: No information found.

SECTION 13: DISPOSAL CONSIDERATIONS

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste facility. Dispose of container and unused contents in accordance with federal, state and local requirements.

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION (DOT)
INTERNATIONAL MARITIME DANGEROUS GOODS (IMO / IMDG)
INTERNATIONAL AIR (ICAO/ IATA)

Proper Shipping Name: Not Regulated
UN Number:
Class:
Packing Group:
Information reported for product/size:

SECTION 15: REGULATORY INFORMATION

Chemical Inventory Status

Ingredient	USA	Europe	Japan	Australia	Korea	China	Canada	Phillipines
	TSCA	EINICS	MITI	AICS	ECL	IECSC	DSL	PICCS
Pigment Blue 27	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Federal, State & International Regulations

Ingredient	SARA 302		SARA 313		CERCLA	RCRA 261.33	TSCA 8(d)
	RQ	TPQ	List	Chemical Category			
Pigment Blue 27	No	No	Yes	Chromium compoound	Yes	No	No

Chemical Weapons convention No **Fire:** No
TSCA 12 (b) No **Pressure:** No
DCTA: No **Reactivity:** No
SARA 311/312 **Acute** No **Australian Hazchem Code:** NA
Chronic Yes

OSHA Hazardous Substance:
This material is classified as not hazardous under OSHA regulations.
Clean Air Act - Hazardous Air Pollutants (HAP):
This product does not contain any Hazardous Air Pollutants (HAP) as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).
Clean Air Act - Volatile Organic Compounds (VOC):
This product does not contain and SOCMI Intermediate or Final Volatile Organic Compounds (VOC), as defined by the U.S. Clean Air Act Section 111 (40 CFR 60.489).
Clean Air Act - Ozone Depleting Substances (DOS):

This product neither contains nor was manufactured with a Class I or Class II ozone depleting substance (DOS), as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subt. A, App. A+B).

Clean Water Act - Priority Pollutants (PP):

This product does not contain any Priority Pollutants listed under the U.S. Clean Water Act, Section 307 (2) (1) Priority Pollutant List (4 CFR 401.15).

SECTION 16: OTHER INFORMATION

HMIS Information:	**NFPA Information:**
Health: 1	**Health: 1**
Flammability: 1	**Flammability: 0**
Physical Hazard: 0	**Physical Hazard: 0**

HMIS and NFPA uses a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possess essentially no hazard; a rating of four indicates extreme hazard. Although similar, the two ratings systems are intended for different purposes, and use different criteria.

HMIS system - designed to communicate workplace hazard information to employees who handle hazardous chemicals.

NFPA system - developed to provide an on-the-spot alert to the hazards of a material and their severity, to emergency responders.

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.