Artisue Creative Powder Pigment
Safety Data Sheet – Indigo

SECTION 1 IDENTIFICATION OF SUBSTANCE OR MIXTURE & COMPANY / UNDERTAKING

PRODUCT IDENTIFIER

Product Name	ARTISUE CREATIVE POWDER PIGMENT: INDIGO
Synonyms	PURE COLOURANT
Proper Shipping Name	COLOURANT
Other Means Of Identification	COLOURING AGENT
Manufacturer's Code	KT
Chemwatch Number	N/A
CAS - Number	12001.26.2 – 13463.67.7 – 18282.10.5 – 1408.43.8
UN Number	N/A
Manufacturer	Kolortek Co., Ltd.

RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE

Used for substrates, paints, resins, carriers, bases, chemicals or products.
Read manufacturer's data sheet before use.

DETAILS OF THE COMPANY

Company Name: ARTISUE CREATIVE
Address: Queensland, Australia 4300
Phone: +61 412 604 107
Website: www.artisue.com.au

EMERGENCY TELEPHONE NUMBER

CHEMWATCH EMERGENCY 1800 039 008 (24hours)
POISONS HOTLINE (AUSTRALIA) Phone 13 11 26 (24hours) **OR** www.qld.gov.au/emergency/safety/poisons.html
ARTISUE CREATIVE +61 412 604 107 (8am-8pm AEST)

SECTION 2 HAZARDS IDENTIFICATION Classification of the Substance or Mixture

NOT DANGEROUS GOODS (according to the Model WHS Regulations & the ADG Codes)

NO REGULATIONS FOR TRANSPORT

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

According to Regulation (EC) No. 1272/2008 (CLP): Not classified

According to Directive 67/548/EEC & Directive 1999/45/EC: Not classified

Additional Information: N/A

LABEL ELEMENTS

GHS Label Elements: N/A

Hazard Pictogram(s): N/A

Signal Word(s): N/A

Hazard Statement(s): N/A

Precautionary Statement(s): N/A

Other Hazards: Not Known

PRECAUTIONARY STATEMENT(S) FOR STORAGE

Keep in original containers. Keep container tightly closed. Keep out of reach for children.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

COMPOSITION OF PRODUCT

Chemical Family: Mica – titanium dioxide – tin oxide - ferric ferrocyanide. Contains no hazardous ingredients.

Hazard Classification according to directive 67/548/EEC & Directive 1999/45/EC, Regulation (EC) No. 1272/2008 (CLP)

Composition or mixture(s) of the compounds(s) in the table below.

COMMON CHEMICAL NAME	CAS No.	EINECS No.	COLOUR INDEX	CHEMICAL COMPOSITION	HAZARD CLASSIFICATION
Mica	12001-26-2	310-127-6	77019	44.0%-49.0%	Not classified
Titanium Dioxide	13463-67-7	236-675-5	77891	50.0-55.0%	Not classified
Tin Oxide	18282-10-5	242-159-0	77861	0.0-1.0%	Not classified
Ferric Ferrocyanide	1408-43-8	237-875-5	77510	0.0-1.0%	Not classified

SECTION 4 FIRST AID MEASURES

IF THIS PRODUCT COMES IN CONTACT WITH THE EYES:
Wash out immediately with fresh running water. Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasional lifting the upper and lower lids. if pain persists or recurs seek medical attention. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

IF THIS PRODUCT COMES IN CONTACT WITH THE SKIN:
If skin contact occurs: Immediately remove all contaminated clothing, including footwear. Flush skin and hair with running water (and soap if available). Seek medical attention in the event of continuous irritation.

IF THIS PRODUCT IS SWALLOWED:

Do NOT induce vomiting. If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration. Observe the patient carefully. Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious. Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink. Seek medical advice. Avoid giving milk or oils. Avoid giving alcohol.

SECTION 5 FIREFIGHTING MEASURES

EXTINGUISHING MEDIA

Suitable Extinguishing Media: Extinguish with water spray, foam or dry chemical.

Unsuitable Extinguishing Media: Carbon Dioxide

SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Thermal Hazards: Non-combustible. Non Anticipated.
Advice for Firefighters: Firefighters should wear complete protective clothing including self-contained breathing apparatus.

SECTION 6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Personal Precautions: Do not breathe dust

Personal Protective Equipment: Wear appropriate personal protective equipment & avoid direct contact.

In case of an emergency: a self-contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

Environmental Precautions: Do not allow substance to enter drains, sewers or watercourses.

Methods and Material for Containment and Cleaning Up: Collect mechanically and dispose of according to Section 13. Use vacuum equipment for collecting spilt materials, where practicable.

Reference to other sections: Section 8 & 13 of the SDS.

SECTION 7 HANDLING AND STORAGE

Store in original containers. Do not remove labels. Keep in a dry safe place. Keep out of reach of children.

SECTION 8 EXPOSURE CONTROLS/ PERSONAL PROTECTION

EXPOSURE CONTROLS (Australia Exposure Standards)
Avoid all personal contact, including inhalation. Use good occupational work practice(s).

Currently there is no "Exposure Standard" (ES), for this product. We recommend that respiratory protection is used. The degree of protection varies with both face-piece and Class of filter; the nature of protection varies with the type of filter.This products particle size may be under 1 micron when in powder form, so a 0.5um micron filter or smaller is recommended.

PERSONAL PROTECTION LABEL ELEMENTS (GHS)

PERSONAL PROTECTION

EYES PROTECTION:
Safety glasses with side shields or Chemical goggles must be worn. As a precaution have an eye wash unit within arms reach when using this product.

*** In the event of contact exposure, begin eye irrigation immediately (remove glasses or goggles as soon as practicable).**

A written policy document, describing the wearing of contact lenses and restrictions on use should be created for each workplace or task. First-aid personnel should be trained in the removal of contact lenses and suitable equipment should be readily available.

RESPIRATORY PROTECTION:
Type Dust Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent)

Type A-P Filter when mixing (Pure Colour) this product with solvents.

HAND & SKIN PROTECTION:
Wear chemical protective gloves. Suitability and durability of glove type is dependent on usage. Important factors in the selection of gloves include: Frequency and duration of contact, chemical resistance of glove material, glove thickness, etc.

Select gloves tested to a relevant standard (e.g. Europe EN 374, US F739, AS/NZS 2161.1 or national equivalent).

When prolonged or frequently repeated contact may occur, a glove with a protection class of 5 or higher (AS/NZS 2161.10.1 or national equivalent) is recommended. Contaminated gloves should be replaced.

When only brief contact is expected, a glove with a protection class of 3 or higher (AS/NZS 2161.10.1 or national equivalent) is recommended. Contaminated gloves should be replaced.

Contaminated gloves should be replaced. After using gloves, hands should be washed and dried thoroughly. Application of a non-perfumed moisturiser is recommended.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES (basic physical & chemical properties)

APPEARANCE

Finely ground coloured powder.

PROPERTIES

Physical State	Powder
Odour	No Odour
Ph Value	6.0 to 9.0 (4% H_2O)
Melting Point	Decomposes
Boiling Point	N/A
Density	3.0-3.1kg/L
Bulk Density	24-28g/100g
Vapour Pressure	N/A
Solubility (in water)	Insoluble
Particle Size	20-100μm

SECTION 10 STABILITY AND REACTIVITY

TABLE OF INFORMATION

Reactivity	There may be violent or an incandescent reaction of the product with metals at high temperatures (e.g. aluminium; calcium; magnesium; potassium; sodium; zinc; lithium)
Chemical Stability	Stable under normal conditions
Possibility of Hazardous Reactions	None
Incompatible Materials	Strong Acids, Alkali and Strong Oxidizing Agents
Hazardous Decomposition	No data
Conditions to Avoid	High Temperature

SECTION 11 TOXILOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS

This inorganic pigment in general is considered to be practically nontoxic.

Acute Toxicity	No data
Carcinogenicity	No data

SECTION 12 ECOLOGICAL INFORMATION

Toxicity	No data
Persistence and Degradability	Insoluble in water. This product is predicted not to degrade in soil and water.
Bio-accumulative Potential	No Data
Mobility in Soil	N/A
Results of PBT AND vPvB assessment	N/A
Other Adverse Effects	Not Known

SECTION 13 DISPOSAL CONSIDERATIONS

WASTE TREATMENT METHOD

Return to supplier for recycling if possible. Otherwise, where possible retain label warnings and SDS and observe all notices pertaining to the product. Legislation addressing waste disposal requirements may differ by country, state and/or territory. Each user must refer to laws operating in their area. The user should investigate: Reduction Reuse Recycling Disposal (if all else fails).

SECTION 14 TRANSPORT INFORMATION

HAZARD RATING AND LABELS (ADG)

NOT DANGEROUS GOODS (according to the Model WHS Regulations and the ADG Codes).

NO REGULATIONS FOR TRANSPORT

LAND TRANSPORT (ADG) & SEA TRANSPORT (IMDG-Code / GGVSee)

UN NUMBER	N/A	**TRANSPORT HAZARD LABEL(S)**
PACKING GROUP	N/A	
UN PROPER SHIPPING NAME	COLOURANT	
TRANSPORT HAZARD CLASS	N/A	NIL
SPECIAL PRECAUTIONS	N/A	

AIR TRANSPORT (ICAO-IATA / DGR)

UN NUMBER	N/A	**TRANSPORT HAZARD LABEL(S)**
PACKING GROUP	N/A	
UN PROPER SHIPPING NAME	COLOURANT	
TRANSPORT HAZARD CLASS	N/A	NIL
SPECIAL PRECAUTIONS	N/A	

SECTION 15 REGULATORY INFORMATION

SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS (legislation specific for the substance or mixture)

Australia Exposure Standards
Australia Hazardous Substances Information System - Consolidated Lists
Australia Exposure Standards
Australia Hazardous Substances Information System - Consolidated Lists
Australia Inventory of Chemical Substances (AICS)

SECTION 16 OTHER INFORMATION

Annex to the extended Safety Data Sheet (eSDS)

ADR: European Agreement concerning international carriage of Dangerous goods by Road
CAS: Chemical Abstracts Service
EC: European Community
ICAO: International Civil Aviation Organisation
IMDG: International Maritime Dangerous Goods
IATA: International Air Transport Association

DATA SOURCES

NPIRI Raw Material Handbook, Volume 4, Pigments, Second Edition, 2001
Book on “Safe Handling of Pigments”, European edition 1995, BCMA, EPSOM ETAD, VdMi
HSDB
NIOSH ICSC
Hazardous Substance Fact Sheet, New Jersey Department of Health and Senior Service

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

We have described our product concerning possible safety requirements by the above-mentioned information given to the best of our knowledge and experience. All data given are never meant to guarantee any quality description nor product properties.