

Safety Data Sheets



Cobalt blue dark Pb74

Product code: PS-CO0007

Department: cobalt dry pigments

C.A.S. : 68412-74-8

Section: 1 Identification

Product :	Pigment Blue 74, C.I. 77366
Chemical composition:	Cobalt Zinc Silicate Phenacite (Co,Zn) ₂ SiO ₄
recommended uses:	Artists paints, colouring of coatings, inks and plastics.
Company supplying the SDS:	KAMA pigments
Address :	7442 St-Hubert Montréal Québec, H2R 2N3
phone :	514 272 2173
email :	info@kamapigment.com

Section: 2 Hazard Identification

HGS Label Elements



Signal Word

Warning

GHS Classification

Skin sensitization 1 -Cat 1

Hazard statements

H317 May cause an allergic skin reaction.

H332 Harmful if inhaled

Precautionary Statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P262 Avoid contact with eyes, skin or clothing.

P270 Do not eat, drink or smoke while handling this product.

P272 Contaminated work clothing should not be removed from the workplace.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P333+P313 If irritation or rash occurs: seek medical advice/Consult a doctor.

P362 Remove contaminated clothing.

P501 P501 Dispose of waste in accordance with regional, national and international regulations.

Section: 3 Composition / Information on Ingredients

CHEMICAL NAME	COMMON NAME AND SYNONYMS	CAS NUMBER	%
Pigment Blue 74, C.I. 77366 (Co,Zn)2SiO4	Cobalt blue dark	68412-74-8 EINECS: 270-208-6	100

Composition comments

This product is the result of high temperature calcination of the component substances. Due to its unique crystalline structure the properties of this finished pigment do not necessarily reflect the properties of the component metals or oxides.

Section: 4 First Aid Measures

Inhalation	Remove to fresh air. If the affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Call a physician if symptoms develop or persist.
Skin contact	Wash the skin immediately with soap and water. Get medical attention if irritation develops or persists.
Eye contact	Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops or persists.
Ingestion	Never give anything by mouth to an unconscious person. If swallowed, do NOT induce vomiting. Give several glasses of water to dilute contents of stomach and call a physician.
Most important symptoms/ effects, acute and delayed	Contact with eyes may cause irritation. Inhalation of dusts may cause respiratory irritation. Contact with skin may cause irritation.
General information	If you feel unwell, seek medical advice (show the label where possible). Show this safety data sheet to the doctor in attendance. Where there is a potential for eye exposure to this substance, an eye wash fountain should be provided within the immediate work area for emergency use.

Section: 5 Fire Fighting Measures

Suitable extinguishing media	Use extinguishing agent suitable for type of surrounding fire.
Unsuitable extinguishing media	Not applicable.
Specific hazards arising from	None known.
Special protective equipment and precautions for firefighters	Use protective equipment appropriate for surrounding materials.
Fire fighting equipment/instructions	Not a fire hazard.
Specific methods	Not established.
General fire hazards	This product is not flammable.

Section: 6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Wear appropriate protective equipment and clothing during clean-up. Avoid inhalation of dust from the spilled material.
Methods and materials for containment and cleaning up	Avoid dust formation. Following product recovery, flush area with water. Collect powder using special dust vacuum cleaner with particle filter or carefully sweep into closed container.
Environmental precautions	Do not discharge into drains, water courses or onto the ground.

Section: 7 Handling And Storage

Precautions for safe handling	Provide appropriate exhaust ventilation at machinery and at places where dust can be generated. Keep formation of airborne dusts to a minimum. When using, do not eat, drink or smoke. Wash hands thoroughly after handling.
Conditions for safe storage, including any incompatibilities	Store in closed original container in a dry place. Room temperature - normal conditions. Use care in handling/storage. Keep in properly labelled containers.

Section: 8 Exposure Control/Personal Protection

Engineering Controls	Adequate ventilation should be provided so that occupational exposure limits are not exceeded. Local exhaust ventilation is normally recommended.
Personal Protective Equipment	Where L.E.V. is not practicable and exposure is likely to be excessive, approved respiratory protection conforming to CEN standards EN 140, 141, 143 or 149 should be worn. Protective gloves and overalls are recommended for prolonged contact.

Section: 9 Physical and Chemical Properties

Appearance & Odour	Blue, odourless powder.
Flash Point	Not applicable.
Flammability	Does not support combustion.
Explosive Properties	Non explosive.
Oxidising Properties	None.
Specific Gravity	N.A.
Solubility	Insoluble.
Melting Point	N.A.

Section: 10 Stability And Reactivity

Reactivity	Not available.
Chemical stability	Stable under normal temperature conditions and recommended use.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	None known.
Incompatible materials	None known.
Hazardous decomposition products	No hazardous decomposition products are known.

Section: 11 Toxicological Information

Health Effects	Prolonged or repeated exposure above Occupational Exposure Standards may cause fibrosis of the lungs.
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Section: 12 Ecological Information

Ecotoxicity	Not expected to be harmful to aquatic organisms.
Persistence and degradability	The product is not expected to be biodegradable.
Bioaccumulative potential	The product does not contain any substances expected to be bioaccumulating.
Mobility in soil	No data available.
Mobility in general	No data available.
Other adverse effects	None known.

Section: 13 Disposal Considerations

Disposal instructions	All wastes must be handled in accordance with local, state and federal regulations.
Hazardous waste code	Not regulated.
Waste from residues / unused products	Dispose of in accordance with local regulations.
Contaminated packaging	Since emptied containers retain product residue, follow label warnings even after container is emptied.

Section: 14 Transport Information

DOT	Not regulated as dangerous goods.
IATA	Not regulated as dangerous goods.
IMDG	Not regulated as dangerous goods.

Section: 15 Regulatory Information

IARC has classified cobalt and cobalt compounds as possibly carcinogenic to humans. (Group 2B, Monograph #52).

US federal regulations		
TSCA Section 12(b) Export Notification(40 CFR 707, Subpt. D)	Not regulated.	
Superfund Amendments and Reauthorization Act of 1986 (SARA)		
Hazard categories	Immediate Hazard – Yes Delayed Hazard - Yes Fire Hazard - No Pressure Hazard - No Reactivity Hazard – No Not listed.	
SARA 302 Extremely hazardous substance	Not listed.	
SARA 311/312 Hazardous chemical	Yes	
SARA 313 (TRI reporting)		
CHEMICAL NAME	CAS NUMBER	% BY WT.
Cobalt compound	N/A	100
Chromium compound	N/A	100
Zinc compound	N/A	100

Other federal regulations	
Clean Air Act (CAA) Section 112	
Hazardous Air Pollutants (HAPs) List	Cobalt compound (CAS N/A)
Accidental Release Prevention (40 CFR 68.130)	Not regulated.

US state regulations	
US - New Jersey RTK - Substances: Listed substance	Cobalt compound (CAS N/A)
US - Pennsylvania RTK - Hazardous Substances:	All compounds of this substance are considered environmental hazards Cobalt compound (CAS N/A)

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)	Not listed.
US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))	Cobalt compound (CAS N/A)
US. Massachusetts RTK - Substance List	Cobalt compound (CAS N/A)
US. New Jersey Worker and Community Right-to-Know Act	Cobalt compound (CAS N/A)

US. Pennsylvania RTK - Hazardous Substances
US. Pennsylvania Worker and Community Right-to-Know Law
US. Rhode Island RTK
US. California Proposition 65

Cobalt compound (CAS N/A)
Cobalt compound (CAS N/A)
Cobalt compound (CAS N/A)
This product has not been analyzed for all of the listed chemicals; however no listed chemicals are intentionally added. Trace amounts of listed chemicals may be present due to impurities in the raw materials used to manufacture this product.

International Inventories country(s) or region	inventory name	on inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances(PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

Section: 16 Other Information

Reference
Prepared by

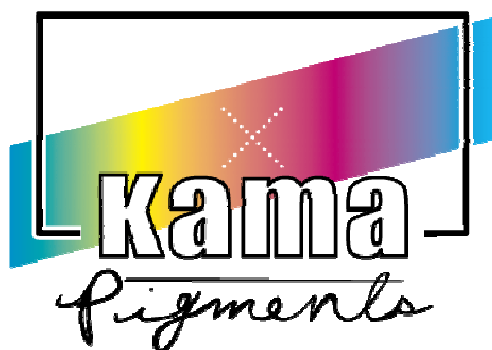
Manufacturer's material safety data sheet.
Kama pigments

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