

Safety Data Sheets



Cobalt Yellow (aureolin) Py40

Product code: PS-CO0045

Department: rare & historical dry pigments

C.A.S. : 13782-01-9

Section: 1 Identification

Chemical Name	Potassium Cobaltinitrite.
Colour Index.	C.I,Pigment Yellow 40
CAS Number.	13782-01-9
recommended uses:	Colorant, artists pigment
Recommended restrictions	None known
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

Physical hazards	Not classified.
Health hazards	Not classified.
Environmental hazards	Not classified.
OSHA defined hazards	Not classified.

HGS Label Elements

Signal Word

GHS Classification

The product does not require a hazard warning label in accordance with GHS criteria.

Hazard statements

No known significant effects or critical hazards.

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

CHEMICAL NAME	COMMON NAME AND SYNONYMS Constitution #	CAS NUMBER	%	CI
Potassium Cobaltinitrite Yellow	CI Pigment Yellow 40	13782-01-9	100	77589
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

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

METALS	TYPE	VALUE	PERCENT	FORM
Cobalt metal, dust and fumes	PEL	0.1 mg/m ³	24-30%	(as Co) Dust and fume.
Chromium (III) and compounds	PEL	1 mg/m ³	43-50%	(as Cr)
Zinc compounds	none		3 - 10%	(as Zn)

S. ACGIH Threshold Limit Values

METALS	TYPE	VALUE	PERCENT	FORM
Cobalt metal, dust and fumes	TWA	0.02 mg/m ³	24-30%	(as Co)
Chromium (III) and compounds	TWA	0.5 mg/m ³	43-50%	(as Cr)
Zinc compounds	none		3 - 10%	(as Zn)

US. NIOSH: Pocket Guide to Chemical Hazards

METALS	TYPE	VALUE	PERCENT	FORM
Cobalt metal, dust and fumes	TWA	0.05 mg/m ³	24-30%	(as Co) Dust and fume.
Chromium (III) and compounds	TWA	0.5 mg/m ³	43-50%	(as Cr)

Biological limit values

ACGIH Biological Exposure Indices

CONSTITUENTS	VALUE	FORM	DETERMINANT	SPECIMEN
Cobalt metal, dust and fumes	15 µg /l (as Co)	Co	Cobalt	Urine
	1 µg /l (as Co)	Co	Cobalt	Blood

Appropriate engineering controls Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Individual protection measures, such as personal protective equipment

Eye/face protection	Safety glasses with side-shields.
Skin protection	
Hand protection	Rubber or plastic gloves. PVC disposable gloves. Use impervious gloves.
Other	Normal work clothing (long sleeved shirts and long pants) is recommended.
Respiratory protection	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever work place conditions warrant a respirator's use. If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection. MSHA/NIOSH respirators approved for dusts TC-21C or NIOSH approved cartridges for Non-oil aerosols, N95, N99, N100 (42 CFR 84).
Thermal hazards	Not applicable.
General hygiene considerations	Use personal protective equipment as required. Handle in accordance with good industrial hygiene and safety practice.

Section: 9 Physical and Chemical Properties

Appearance & Odour	Yellow, odourless powder.
Flash Point	Not applicable.
Flammability	Does not support combustion.
Explosive Properties	Non explosive.
Oxidising Properties	No information available
Density	N.A.
Solubility in water	Insoluble.
Melting Point	N.A.

Section: 10 Stability And Reactivity

Reactivity	Stable if used according to specifications.
Chemical stability	Stable if used according to specifications.
Hazardous reactions	No information available.
Conditions to avoid	No information available.
Incompatible materials	No information available.
Hazardous decomposition products	None if stored and handled according to specifications.

Section: 11 Toxicological Information

Information on toxicological effects	No toxicological data known.
Irritant to eyes	Dust particles can cause mechanical irritation.
Inhalation	Avoid inhalation of dust.
Reproductive toxicity	No negative effects.
Carcinogenicity	No negative effects.
Mutagenicity	No data available.
Specific target organ toxicity	No data available.

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

Water hazard class	Non hazardous.
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Section: 16 Other Information

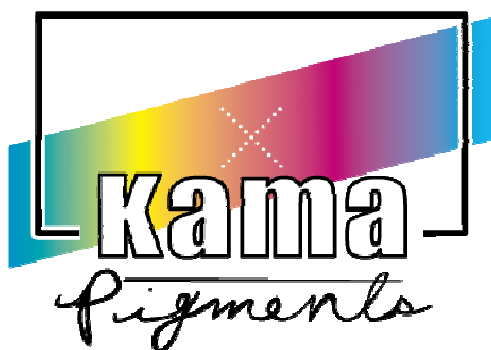
Reference	Manufacturer's material safety data sheet.
Prepared by	Kama pigments

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