

Safety Data Sheets



Mars Orange Py42

Product code: PS-MI0030

Department: iron oxides dry pigments

C.A.S. : 51274-00-1, 1332-37-2, 1317-61-9

Section: 1 Identification

Product Name: Synthetic Iron Oxide Pigment Blend

Company: KAMA pigments
7442 St-Hubert Montreal Quebec, H2R 2N3

Phone: 514 272 2173

Email: info@kamapigment.com

Recommended Uses: Pigment for use in, artist's colors, paints, coloring materials. Do not use for tattoo inks, cosmetics or other medical application.

Section: 2 Hazard Identification

Globally Harmonized Classification System (GHS)
(WHMIS 2015). Not a hazardous substance or mixture.

GHS label elements Not a hazardous substance or mixture.

Other hazards Unknown

EMERGENCY OVERVIEW: Mechanical hazard. Dust may cause mechanical irritation to skin, eyes and respiratory tract. Low hazard for usual industrial or commercial handling. See "Other Health Effects" section. Can decompose at high temperature forming toxic gases. May be subject to slow oxidation if stored at temperatures above 60 C.

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

Do not handle until all safety precautions have been read and understood.

P260 Do not breathe dust.

P281 Use personal protective equipment as required.

P391 Collect spillage.

P403 + 233 Store in a well-ventilated place. Keep container tightly closed.

Section: 3 Composition / Information on Ingredients

INGREDIENT	CAS#	ACGIH TLV (TWA)	% CONCENTRATION
Iron Oxide Yellow (Fe ₂ O ₃ .H ₂ O)	51274-00-1	5 mg/m ³ as Fe (dust and steam)	application-specific
Iron oxide	1332-37-2	5 mg/m ³ as Fe (dust and steam)	application-specific
Iron oxide (Fe ₃ O ₄)	1317-61-9	5 mg/m ³ as Fe (dust and steam)	application-specific

(Not a product specification)

A4 = Not classifiable as a human carcinogen. (ACGIH-A4).

Section: 4 First Aid Measures

Skin contact	Wash affected area immediately with large amounts of soap and water if irritation develops or persists, seek medical attention
Eye contact	Immediately hold eyelids open and flush with water for at least 15 minutes seek medical attention
Inhalation	Move victim to fresh air if breathing has stopped, perform artificial respiration in all cases of doubt, or when symptoms persist, seek medical attention
Ingestion	DO NOT induce vomiting. If necessary, seek medical attention.
Notes to physician	Inert dust.

Section: 5 Fire Fighting Measures

Extinguishing media	Water spray, foam, dry powder or carbon dioxide
Hazardous combustion products	Not applicable
Special fire fighting procedures firefighters	Should wear protective equipment as required
Unusual fire / explosion hazards	Assure all equipment is properly grounded as product may cause static discharge, and designed for controlled energy release. Avoid high dust concentrations. Avoid heat, sparks and open flames.

Section: 6 Accidental Release Measures

Leaks and spills	Avoid creating dust do not allow product to enter sewers or waterways vacuum/shovel up and transfer into a drum for reuse or disposal wear protective clothing during cleanup.
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Section: 7 Handling And Storage

Handling procedures :	Avoid creation of respirable dust. Avoid contact with eyes and skin. Avoid inhalation and ingestion Wash skin thoroughly after handling and before eating or smoking. Avoid dusting when handling and avoid all possible sources of ignition (spark or flame). Use spark-proof tools and explosion-proof equipment. Use good industrial hygiene practices in handling this material.
storage needs :	store in a cool, dry, well-ventilated area keep container tightly closed.

Section: 8 Exposure Control/Personal Protection

INGREDIENTS	ACGIH TLV (STEL)	OSHA PEL (TWA) (STEL)	NIOSH REL (TWA) (STEL)
Yellow iron oxide (Fe ₂ O ₃ .H ₂ O)	-	10 mg/m ³ (Fume) -	5 mg/m ³ as Fe - (Dust and Smoke)
Iron oxide	-	10 mg/m ³ (Fume) -	5 mg/m ³ as Fe - (Dust and Smoke)
Iron oxide (Fe ₃ O ₄)	-	10 mg/m ³ (Fume) -	5 mg/m ³ as Fe - (Dust and Smoke)
Ventilation requirements	a general ventilation system is recommended		
Protective gear			
Eyes/Type	Wear safety glasses with side shields or goggles		
Respiratory/type	Use a NIOSH or OSHA approved mask in environments likely to generate dust. determine the appropriate model by consulting the manufacturer		
Gloves/Type	Wear protective gloves		
Clothing/Type	No protective clothing is required		
Shoes/Type	Safety shoes are not required		
Body/Type	No protective clothing is required		

Section: 9 Physical and Chemical Properties

Physical State	Orange to red powder
Odor	Slight odor
Odor Threshold (PPM)	Not applicable
pH	not applicable
Freezing Point (°C)	Not applicable
Melting Point (°C)	> 1000
Boiling Point (°C)	Not applicable
Flash Point (°C)	non-combustible
Evaporation Rate	Not applicable
Flammability	Flammable solid
Upper Flammability Limit (% Vol)	Not applicable
Lower Flammability Limit (% Vol)	Not applicable
Vapor Pressure (Mm Hg)	Not applicable
Vapor Density (Air = 1)	Not applicable
Relative Density	3.9 4.2 g/cm ³
Solubility In Water (% By Weight)	Insoluble
Water/Oil Distribution Coefficient	Not applicable
Autoignition Temperature (°C)	Not applicable

Section: 10 Stability And Reactivity

Conditions to Avoid:	High temperatures, sparks, open flames and all other sources of ignition. May be subject to slow oxidation if stored at temperatures above 60 C. (3) Avoid moisture contamination. Avoid direct sunlight. Minimize the spread of dust in the air.
Materials to Avoid:	Strong oxidizers. Lewis or mineral acids. Solid foundations. Hydrazine. Hypochlorites. Bromine pentafluoride.

Section: 11 Toxicological Information

SUBSTANCE	LD50 (ORAL, RAT)	LD50 (DERMAL, RABBIT)	CL50 (INHALATION, RAT, 4H)
Yellow iron oxide (Fe ₂ O ₃ .H ₂ O)	> 5000 mg/kg	-	-
Iron oxide	> 10,000 mg/kg	-	-
Iron oxide (Fe ₃ O ₄)	> 5000 mg/kg	-	-
Carcinogenicity Data:	The ingredients of this product are not listed as carcinogens by ACGIH, IARC, OSHA or NTP.		
Reproductive Data:	No adverse reproductive effects are expected.		
Mutagenicity Data:	No adverse mutagenic effects are expected.		
Teratogenicity Data:	No adverse teratogenic effects are expected.		
Respiratory/Skin Sensitization:	None known.		
Synergistic Materials:	None known.		
Other relevant studies:	None known.		

Section: 12 Ecological Information

Ecotoxicity:	Not available. May be harmful to aquatic life.
Environmental Fate:	Not available. The product has an unsightly appearance and can be annoying. May be hazardous if allowed to enter drinking water intakes. Do not contaminate domestic or irrigation water supplies, lakes, streams, ponds or rivers.

Section: 13 Disposal Considerations

Waste disposal	Dispose in a suitable waste treatment facility in compliance with all federal, provincial and local regulations
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Section: 14 Transport Information

Land transportation TDG:	Non-hazardous product within the meaning of transport regulations
Maritime transport Sea transport: IMDG:	IMDG Not dangerous in the meaning of transport regulations
Air Transport Air transportation: IATA/ICAO:	IATA/ICAO Not dangerous product within the meaning of transport regulations

Section: 15 Regulatory Information

Canada CEPA Status WHMIS Classification	All ingredients are on the Domestic Substances List (DSL) This product is not regulated by WHMIS
United States Environmental Protection Act: OSHA HCS (29CFR 1910.1200): NFPA: HMIS:	All components of this product are included on the TSCA inventory. Not regulated. 0 Health, 0 Fire, 0 Reactivity 0 Health, 0 Fire, 0 Reactivity

Section: 16 Other Information

Reference
Prepared by

Manufacturer's material safety data sheet
Kama pigments

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