

Safety Data Sheets



F.O.S. Ercolano Red Pr102

Product code: PS-MI0410

Department: french ocre society, dry pigments

C.A.S. : 1309-37-1

Section: 1 Identification

Product Name:	Iron Oxide Pigment
Company:	KAMA pigments 7442 St-Hubert Montreal Quebec, H2R 2N3
Phone:	514 272 2173
Email:	info@kamapigment.com
Recommended Uses:	Colorants (pigments and dyestuffs), inorganic. 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	1309-37-1	5 mg/m ³ as Fe (dust and steam)	application-specific

(Not a product specification)

Section: 4 First Aid Measures

If inhaled:	Remove victim to fresh air. Seek medical assistance if symptoms appear.
In case of contact with skin:	Wash with plenty of water. Continue to rinse for at least 10 minutes. Wash contaminated clothing before reuse.
In case of eye contact:	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. If worn, remove contact lenses if it is easy to do so. Continue to rinse for at least 10 minutes. Consult a doctor if symptoms appear.
If swallowed:	Seek medical assistance if symptoms appear.
Most important symptoms and effects, both acute and delayed	
Symptoms:	This product may cause moderate irritation with red eye symptom: Severe irritant, causing burning, redness and tearing.
Effects:	May cause mechanical irritation (abrasion).

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)
dilron oxide trioxide 1309-37-1	-	5 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	Red powder
Odor	Slight odor
Odor Threshold (PPM)	Not applicable
pH	4.8 Concentration: 5 %
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	5 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

Reactivity:	No specific reactivity testing data available for this product or its ingredients.
Chemical stability:	This product is chemically stable.
Possibility of hazardous reactions:	No dangerous reactions known under normal conditions of use.
Conditions to avoid:	Data not available
Incompatible products:	No specific data.
Hazardous decomposition products:	No decomposition if stored and used as directed.

Section: 11 Toxicological Information

SUBSTANCE	LD50 (ORAL, RAT)	LD50 (DERMAL, RABBIT)	CL50 (INHALATION, RAT, 4H)
Iron oxide	> 10,000 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

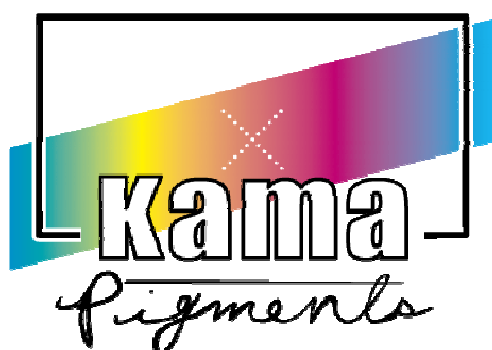
Reference Prepared by	Manufacturer's material safety data sheet Kama pigments
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Do not use ingredient information and/or ingredient percentages in this MSDS as a product specification. For product specification information, refer to a Product Specification Sheet and/or a Certificate of Analysis. These can be obtained from your local Kama pigments Sales Office.

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