

Safety Data Sheets



German Umber Pbr6

Product code: PS-MI0075

Department: iron oxides dry pigments

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

Hazard Classification	Not Assessed
Signal Word	Not Assessed
Hazard Statements	Not Assessed
Precautionary Statements	Not Assessed
Other Hazards	Not Assessed

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

HAZARDOUS INGREDIENTS	CAS #	WT. %
Iron Oxide	1309-37-1	40-50
Iron Oxide, Black	1332-37-2	>1

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)
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 :	brown powder
odor :	odorless
olfactory threshold (ppm) :	not applicable
ph :	5 - 8 @ concentration 5%
freezing point (° c) :	not applicable
fusion point (° c) :	> 1000 c
boiling point (° c) :	not applicable
flashpoint (° c), method used :	not applicable
evaporation rate :	not applicable
flammability :	flammable solid
upper limit of flammability (% volume) :	not applicable
lower limit of flammability (% volume) :	not applicable
vapor pressure (mm of hg) :	not applicable
vapor density (air = 1) :	not applicable
relative density :	4.8 at 20 ° c
apparent specific gravity :	300 1000 kg / m3
solubility in water (% by weight) :	insoluble
coefficient of water / oil distribution :	not applicable
auto-inflammation temperature (°c) :	not applicable

Section: 10 Stability And Reactivity

Hazardous polymerization	will not occur
Stability	stable
Incompatibility	None known.
Conditions to avoid	avoid generating dust. Avoid heat and any source of ignition.
Sensitivity to mechanical impact	not sensitive
Sensitivity to static discharge	Dust suspended in air in critical proportions and in the presence of an ignition source may cause explosion.
Hazardous products of decomposition	not applicable.

Section: 11 Toxicological Information

INGREDIENTS	LC50	LD50
Iron Oxide	Not Indicated	Oral Rat > 5,000 mg/kg Dermal Rabbit > 5,000 mg/kg
Iron Oxide, Black	Not Indicated	Not Indicated
route of entry	Eye contact Skin contact Inhalation Ingestion	
skin contact	May cause skin irritation Avoid skin contact	
eye contact	May cause eye irritation Avoid eye contact	
inhalation	May cause irritation of nose, throat or respiratory tract Avoid inhalation	
ingestion	Do not ingest	
medical conditions affected by exposure	Respiratory disorders	
signs of over exposure	No additional remark	
toxicity effects on animals	Non-irritating	
toxic effects on humans	May cause eye irritation May cause skin irritation May cause irritation to respiratory tract. Can cause pulmonary siderosis	
chronic effects on humans	No specific information is available in our database regarding the other chronic toxic effects of this material for humans	
teratogenicity	No evidence of teratogen effects	
mutagenicity	No evidence of mutagenic effects	
reproductive effects	No evidence of reproductive effects	
carcinogenicity	No evidence of carcinogenic effects according to ACGIH or IARC	

Section: 12 Ecological Information

ecotoxicity data	iron oxide black 48 hr LC0 >1000 mg/L (golden orfe); 24 hr EC0 >1000 mg/L (pseudomonas fluoresvens) Iron (III) Oxide 48 hr LC0 >1000 mg/L (golden orfe); 24 hr EC0 >5000 mg/L (pseudomonas fluorescens).
products of degradation biodegradability	No specific information is available in our database regarding the degradation of this product. Our database contains no additional remark on the biodegradation of this product.

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

TDG classification	Not regulated under tdg (canada)
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Section: 15 Regulatory Information

CEPA STATUS	All the ingredients are on the DSL list
WHMIS CLASSIFICATION	This is not a WHMIS controlled product

Section: 16 Other Information

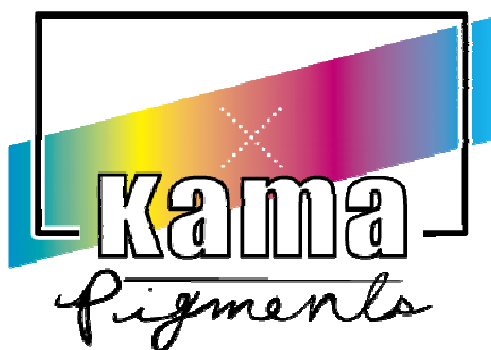
Reference	Manufacturer's material safety data sheet
Prepared by	Kama pigments

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