

Safety Data Sheets



F.O.S. Slate

Product code: PS-MI0302

Department: french ocre society, dry pigments

C.A.S. : 1309-37-1, 7631-86-9, 1344-28-1, 1344-43-0, 13463-67-7, 1305-78-8, 1309-48-4, 1314-56-3, 1345-25-1

Section: 1 Identification

Product Name	Dry pigment F.O.S. Slate
color index	n/a, ground natural slate mineral
use	coloring matter
Typical Composition:	Fe2O3 + SiO2 + Al2O3 + MgO + TiO2 + CaO + MgO + P2O5 + FeO
emergency number 24 hrs	Newalta 1-800-567-7455
Uses:	wax coloring, building industry (coloring coatings, whitewash plaster, cement), industrial painting, artistic painting, agriculture (fertilizer coloring), clay industry, coloring tiles, tracing, coloring clays used in ceramics, fabric dyeing, foundry use
Company:	KAMA pigments 7442 St-Hubert Montréal Québec, H2R 2N3 phone : 514 272 2173 email : info@kamapigment.com

Section: 2 Hazard Identification

HGS Label Elements



Signal Word

Danger

GHS Classification

Acute toxicity -inhalation-Cat.2

Carcinogenicity-Cat.2

Skin corrosion -irritation-Cat.1

Health Hazards not elsewhere classified (corrosion)-Cat.1

Serious eye damage -eye irritation-Cat.1

Corrosive to metals-Cat.1

Hazard statements

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H351 Suspected of causing cancer.

Precautionary Statements

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

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF exposed or concerned: Get medical advice/ attention.

Wash contaminated clothing before reuse.

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

Wash thoroughly after handling.

Section: 3 Composition / Information on Ingredients

HAZARDOUS INGREDIENTS	CAS #	APPROX.WT. %
titanium dioxide	13463-67-7	0-20
Calcium oxide	1305-78-8	0-20
phosphoric anhydride	1314-56-3	0-5
ferrous oxide	1345-25-1	0-5
other natural compounds	-	50-99

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 rinse out mouth with water drink 1 or 2 glasses of water seek immediate medical attention
notes to physician	treat symptomatically

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	avoid high dust concentrations

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 wash skin thoroughly after handling and before eating or smoking 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 TWA STEL	OSHA PEL PEL STEL	NIOSH REL
titanium dioxide	10 mg / m ³		
calcium oxide	10 mg / m ³		
Phosphoric anhydride	n / a		
ferrous oxide	n / a		
ventilation requirements	general ventilation is recommended		
protective equipment			
eye/type	wear safety glasses with side shields or goggles		
respiratory/type	a niosh/osha approved dust respirator should be worn determine the appropriate type by consulting the respirator manufacturer		
gloves/ type	wear protective gloves		
clothing/type	no special protective clothing is required		
footwear/type	no special footwear is required		
body/type	no special protective clothing is required		

Section: 9 Physical and Chemical Properties

Material state	powder
color	Light greenish gray
odor	Odorless
pH	7
Melting point	> 1000 °C
bulk density	780 g / l
Solubility	Insoluble

Section: 10 Stability And Reactivity

hazardous polymerization	will not occur
stability	stable
incompatibility	acids aluminum salts alum fluorine
conditions to avoid	avoid generating dust
sensitivity to mechanical impact	not sensitive
sensitivity to static discharge	not sensitive
hazardous products of decomposition	calcium oxide carbon dioxide

Section: 11 Toxicological Information

INGREDIENTS	LC50	LD50
slate	not indicated	LD50 (oral) Rat:> 5000mg/kg
Calcium hydroxide	not indicated	(LD50) ORAL rat: Acute: 7340 mg/kg
limestone	not indicated	oral rat 6,450 mg/kg
titanium dioxide	LC50/4h Rat>6.8 mg/l	LD50 oral Rat >5000 mg/kg LD50 Dermal rat >5000 mg/kg
signal phrase	iarc group 1 carcinogen	
route of entry	eye contact skin contact inhalation ingestion	
skin contact	may cause skin irritation avoid skin contact	
eye contact	causes eye irritation avoid eye contact	
inhalation	iarc has classified crystalline silica as carcinogenic to humans may cause irritation of nose, throat or respiratory tract	
ingestion	ingestion of large amounts may cause gastrointestinal irritation do not ingest	
medical conditions affected by exposure	pre-existing respiratory disease may be aggravated by exposure to this material	
signs of over exposure	prolonged, excessive exposure to dust may cause chronic pulmonary disease	
toxicity effects on animals	no additional remark	

toxic effects on humans	may cause slight respiratory irritation	may cause slight eye irritation
chronic effects on humans	prolonged exposure can cause pulmonary disease	long term exposure to products containing crystalline silica may cause silicosis
teratogenicity	no evidence of teratogen effects	
mutagenicity	no evidence of mutagenic effects	
reproductive effects	no evidence of reproductive effects	
Additional toxicological indication	When handling and use consistent, the product has no harmful health effects according to our experience and the information we have	

Section: 12 Ecological Information

ecotoxicity data	not available
products of degradation	no specific information is available in our database regarding the degradation of this product
biodegradability	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
controlled products regulations	this product has been classified in accordance with the hazard criteria of the controlled products regulations and this document contains all the information required by the controlled products regulations
whmis classification	whmis class D2A: materials causing other toxic effects-very toxic whmis classe E : corrosive material

material us tscA inventory status all components of this product are listed on the tscA chemical substances inventory or are exempt

Section: 16 Other Information

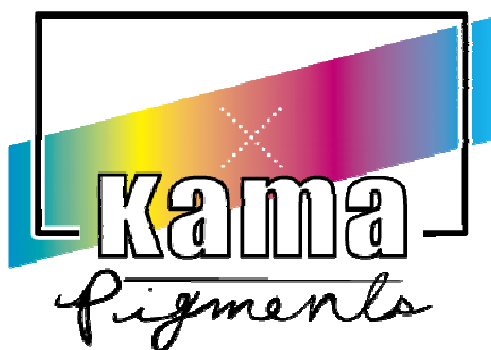
Reference	Manufacturer's material safety data sheet.
Prepared by	Kama pigments

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