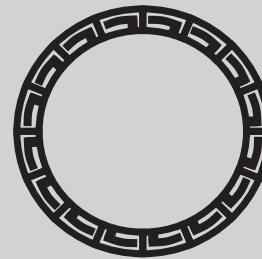


earth tones dry pigments
Material Safety Data Sheet



KAMA
PIGMENTS

Red oxide medium

Product Identification

Product name	Red oxide medium
Product Code (Distributor)	PS-MI0055
Chemical Family	Pigment
Color index	Pr 101
Product Use	Paints and industrial coatings

Emergency information

24 HOUR EMERGENCY NUMBER	Newalta Industrial Services 1-800-567-7455
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Composition Information

Hazardous Ingredients	%	Exposure Limit	C.A.S.#	LD/50, Route,Species	LC/50 Route,Species
Iron Oxide	>95	5 mg/m ³	11309-37-1	Oral Rat > 5,000 mg/kg Dermal Rabbit > 5,000 mg/kg	Not Indicated
Amorphous Silica	4	10 mg/m ³ Inhalable; 3 mg/m ³ Respirable	7631-86-9	Oral Rat > 5,000 mg/kg Dermal Rabbit > 2,000 mg/kg	Not Indicated

Hazard Identification

route of entry	Eye contact. Skin contact. Inhalation. Ingestion
eye contact	May cause eye irritation. Avoid eye contact
skin contact	May cause skin irritation. Avoid skin contact
ingestion	Do not ingest
inhalation	Can cause pulmonary siderosis. Avoid inhalation
medical conditions affected by exposure	Respiratory disorders
signs of over exposure	No additional remark

First Aid

skin contact	Wash affected area immediately with large amounts of soap and water. Remove contaminated clothing and wash before reuse. Seek immediate medical attention.
eye contact	Check for and remove any contact lenses. Immediately hold eyelids open and flush with water for at least 15 minutes. Seek immediate medical attention.
inhalation	Move victim to fresh air. If breathing has stopped, perform artificial respiration. Seek immediate medical attention.
ingestion	DO NOT induce vomiting. Rinse out mouth with water. Seek immediate medical attention.
notes to physician	No additional remark

Fire Fighting Measure

flash point (°C), method	Not applicable
auto ignition temperature (°C)	Not applicable
upper flammable limit (% vol)	Not applicable
lower flammable limit (% vol)	Not applicable
flammability	Com I
extinguishing media	Water spray, foam, dry powder or carbon dioxide
hazardous combustion products	Not applicable
sensitivity to mechanical impact	Not sensitive
sensitivity to static discharge	Not sensitive
unusual fire / explosion hazards	Avoid high dust concentrations
special fire fighting procedures	Avoid hose streams or any method which will create dust clouds Firefighters should wear protective equipment as required

Accidental Release Measure

Leaks and Spills	Avoid creating dust. Vacuum/shovel up and transfer into a drum for reuse or disposal. Do not allow product to enter sewers or waterways. Wear protective clothing during cleanup.
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Handling and Storage

handling procedures	Avoid creation of respirable dust. Avoid contact with eyes and skin. Avoid inhalation and ingestion. Use under well ventilated conditions. If airborne dust is generated, eliminate all sources of ignition that may come into contact with the dust. Wash skin thoroughly after handling and before eating or smoking. Wash with soap and water. Use good industrial hygiene practices in handling this material.
storage needs	Do not store in open, unlabeled or mislabeled containers. Keep container tightly closed. . Keep away from ignition sources: flames, pilot lights, electrical sparks, and sparking tools. Store in a cool, dry, well-ventilated area.

Exposure Controls/Personal Protection

ventilation requirements	Local ventilation may be required during certain operations to maintain concentrations below recommended exposure limits.
protective equipment	
eye/type	Safety glasses with sideshields, faceshield, and/or goggles to protect against airborne dust.
respiratory/type	A NIOSH/OSHA approved dust respirator should be worn. Consult your supplier of personal protective equipment for additional instructions on proper usage for nuisance dust.
gloves/ type	Wear protective gloves
clothing/type	No special protective clothing is required

Physical and Chemical Properties

physical state	Red Powder
odour	Odourless
odour threshold (ppm)	Not applicable
vapour density (air=1)	Not applicable
vapour pressure (mm hg)	Not applicable
evaporation rate	Not applicable
boiling point (°c)	Not applicable
ph	4 - 8. @ 50 g/L
solubility in water (% w/w)	Insoluble
coefficient of water/oil distribution	Not applicable
freezing point (°c)	Not applicable
melting point (°c)	> 1000 C
specific gravity	4 - 5. @ 20 C
bulk density	300 - 1000 kg/m ³

Stability and Reactivity

hazardous polymerization	Will not occur
stability	Stable
incompatibility	Not available
conditions to avoid	Avoid generating dust
hazardous products of decomposition	Not available

Toxicological Information

toxicity effects on animals	Non-irritating
toxic effects on humans	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
Carcinogenicity	No evidence of carcinogenic effects according to ACGIH or IARC
teratogenicity	No evidence of teratogen effects
mutagenicity	No evidence of mutagenic effects
reproductive toxicity	No evidence of reproductive effects

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

Disposal Considerations

waste disposal	Dispose in a suitable waste treatment facility in compliance with all federal, provincial and local regulations.
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Transport Information

TDG classification	Not regulated under TDG (Canada).
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Regulation Information

CEPA status	All the ingredients are on the DSL list
WHMIS classification	This is not a WHMIS controlled product



Other Information

Disclaimer

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