

MATERIAL SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT IDENTIFICATION

Manufacturer/Distributor : Kobo Products, Inc.
Address : 3474 South Clinton Avenue
South Plainfield, NJ 07080
Emergency Telephone # : (908) 757-0033
Facsimile Number : (908) 757-0905
Trade Name : **KTZ® CELANDON RED-I2**
INCI : Mica (and) Titanium Dioxide (And) Carmine (And) Isopropyl Titanium Triisostearate
Chemical Name: : Mica (and) Titanium Dioxide (And) Carmine (And) Isopropyl Titanium Triisostearate
Material Uses : Colorant-Component in personal care products
Chemical Family : Color additive

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

<u>Ingredients</u>	<u>CAS #</u>	<u>EINECS #</u>		
Mica	12001-26-2	310-127-6		
Titanium Dioxide	13463-67-7	236-675-5		
Carmine	1390-65-4	215-724-4		
Isopropyl Titanium Triisostearate	61417-49-0	262-774-8		

SECTION 3: HAZARD IDENTIFICATION

Physical State and Appearance: Solid. (odorless, red powder)

Emergency Overview: May cause respiratory tract, eye and skin irritation.

Routes of Entry: Skin contact and Inhalation. Ingestion (not anticipated).

Potential Acute Health Effects

Eyes: May cause eye irritation. Symptoms include: itching and redness after contact.

Skin: May cause mild skin irritation. Symptoms include: itching and redness after contact.

Inhalation: May cause respiratory tract irritation. Symptoms include: coughing, wheezing or shortness of breath when inhaled.

Ingestion: Not an intended route of exposure. May be hazardous in case of ingestion. Symptoms include gastrointestinal tract upset and diarrhea.

Potential Chronic Health Effects

Additional information See Toxicological information (section 11)

Medical Conditions Overexposure: Aggravated by Repeated or prolonged inhalation of any dust particulate may aggravate respiratory medical conditions.

SECTION 4: FIRST AID MEASURES

Eye Contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If symptoms persist, seek medical attention.

Skin Contact: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash contaminated clothing before reusing. Thoroughly clean shoes before reuse. If symptoms develop, seek medical attention.

Inhalation: If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. If symptoms persist, seek medical attention.

Ingestion: Do not ingest. If this material is swallowed, call a physician immediately. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

SECTION 5: FIRE FIGHTING MEASURES

Flammability: Non-flammable

Fire Fighting Media And Instructions: In case of fire, use water spray (fog), foam, dry chemical, or CO₂

Protective Clothing (fire): Wear self-contained breathing apparatus and full protective clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- Small Spill and Leak** Use a tool to scoop up solid or absorbed material and place into appropriate labeled waste container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional regulatory requirements.
- Large Spill and Leak** Use appropriate tools to put the spill material into a labeled waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional regulatory requirements. Check TLV in section 8 of MSDS and with local authorities.
- Spill Kit information** No specific spill kit required for this product.

SECTION 7: HANDLING AND STORAGE

- Handling** : Avoid generating dust. Avoid breathing dust. Use only with adequate ventilation. Avoid prolonged or repeated contact with skin. Avoid contact with eyes. Keep container closed. Wash thoroughly after handling.
- Storage** : Keep container dry. Keep containers sealed until ready for use.

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Levels: <u>Component</u>	OSHA		ACGIH	
	<u>TWA</u>	<u>PEL</u>	<u>TWA</u>	<u>TLV</u>
TiO2	15 mg/m ³		10 mg/m ³	
Mica	3 mg/m ³		3 mg/m ³	

Personal Protection:

- Eye:** Safety glasses with side shields or goggles
Body: Lab coat
Respiratory: Use NIOSH/MSHA approved air-purifying respirator as needed to control exposure.
Hand: Recommended: Gloves

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point (°C)	: N/A	Percent Volatile By Vol. (%)	: N/A
Freezing Point (°C)	: N/A	Vapor Density (Air=1)	: N/A
Melting Point (°C)	: > 1000	Evaporation Rate (Buac=1)	: N/A
Vapor Pressure (mm hg)	: N/A	Solubility In Water	: Insoluble
Bulk Density (g/cbi.)	: N/A	Appearance & Odor	: Red Powder. No Odor

SECTION 10: STABILITY AND REACTIVITY

- Stable:** Stable
- Hazardous Polymerization:** None
- Incompatibility:** Strong oxidizing agents and strong acids.
- Hazardous Decomposition Products:** Nature of decomposition products is not known.

SECTION 11: TOXICOLOGICAL INFORMATION

	<u>Titanium Dioxide*</u>	<u>Mica</u>
Skin Irritation	: Dermal LD ₅₀ > 10 g/kg (rabbit)	No data
Eye Irritation	: No data	No data
Acute Oral Toxicity	: Non-toxic, LD ₅₀ > 25 g/kg (rat)	LD ₅₀ > 15,000 mg/kg
Inhalation LC ₅₀	: >6.82 mg/L (4 hour)	No data
Sensitization	: No data	Non-toxic

*: Trochimowicz. et. Al., J. Appl. Tox. 8, 383-385 (1998)

Note:

The statements made here are based upon technical data that Kobo Products Inc. believes to be reliable, are intended to describe the product with regard to necessary safety precautions. They do not guarantee special characteristics. This information is furnished without warranty, expressed or implied, except that it is accurate to the best of our current knowledge.