

MATERIAL SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT IDENTIFICATION

Manufacturer/Distributor : Kobo Products, Inc.
Address : 3474 South Clinton Avenue
South Plainfield, NJ 07080, USA
Emergency Telephone # : (908) 757-0033
Facsimile Number : (908) 757-0905
Trade Name : **KTZ® CELANDON GOLD-I2**
INCI Name : Titanium Dioxide (And) Mica (And) Iron Oxides (C.I. 77491) (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 |
| Iron Oxides (C.I. 77491) | 1309-37-1 | 215-168-2 |
| Isopropyl Titanium Triisostearate | 61417-49-0 | 262-774-8 |

SECTION 3: HAZARD IDENTIFICATION

Physical State and Appearance: Solid (characteristic odor, free flowing powder)

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

Routes of Entry: Eye 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

| <u>Component</u> | <u>OSHA</u> | | <u>ACGIH</u> | |
|------------------|----------------------|------------|----------------------|------------|
| | <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 | |
| Iron Oxides | 15 mg/m ³ | | 10 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 | : Free flowing powder. Characteristic 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>Iron Oxides</u> |
|-----------------------------|---|---|
| Skin Irritation | : Dermal LD ₅₀ > 10 g/kg (Rabbit) | No data |
| Eye Irritation | : No data | Mild-Irritant (rabbit); Average Draize score = 0.00 |
| Acute Oral Toxicity | : Non-toxic, LD ₅₀ > 25 g/kg (rat) | Non-toxic, LD ₅₀ > 15 g/kg (rat) |
| Inhalation LC ₅₀ | : >6.82 mg/L (4 hour) | No data |

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

| | <u>Mica</u> |
|---------------------|-----------------------------------|
| Skin Irritation | : No data |
| Eye Irritation | : No data |
| Oral Toxicity (rat) | : LD ₅₀ > 15,000 mg/kg |
| Sensitization | : Non-toxic |

