

MATERIAL SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT IDENTIFICATION

Manufacturer/Distributor : Kobo Products, Inc.
Address : 690 Montrose Avenue
So. Plainfield, NJ 07080
Emergency Telephone # : (908) 757-0033
Facsimile Number : (908) 757-0905
Trade Name : **KTZ® INTERVAL RED**
Chemical Name/ Synonyms: Mica (And) Titanium Dioxide

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS #	EINECS #
Mica	12001-26-2	310-127-6
Titanium dioxide	13463-67-7	236-675-5

SECTION 3: HAZARD IDENTIFICATION

No particular danger

SECTION 4: FIRST AID MEASURES

Effects and Symptoms:

Effects of Overexposure: May cause mechanical irritation to eyes.
Medical Conditions Aggravated by Exposure: Persons with respiratory conditions maybe at increased risk.
Primary Route(s) of Entry: Inhalation, Ingestion and eyes.

Emergency First Aid:

Eye Contact: Flush eyes with water for at least 15 min. See physician if irritation persists.
Skin Contact: Flush skin with soap and water for at least 15 min.
Inhalation: Remove to fresh air. If breathing is difficult give oxygen. See physician.
Ingestion: None needed for small amounts. For large amounts, if conscious, give water and call physician. Do not induce vomiting.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point (Closed Cup) : N/A
Flammable Limits LEL/UEL % : N/A
Extinguishing Media : Water, Dry Chemical, Foam, CO₂
Special Fire Fighting Procedures : Self-contained breathing apparatus and protective clothing.
Unusual Fire And Explosion Hazards: Can burn in fire, releasing toxic vapors. Vapors are heavier than air and can travel along ground to remote ignition sources.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions : Eye contact and inhalation.
Environmental Precautions: : Prevent material from contaminating soil or entering sewerage and drainage systems.
Spill response : Use appropriate NIOHS/MSHA approved respirator. Wear chemical gloves, goggles, and lab coat. Carefully contain spilled material. Deposit spilled material in appropriate waste container. Wash spill area with soap and water.

SECTION 7: HANDLING AND STORAGE

Handling : Use with adequate ventilation. Avoid contact with eyes. Wash thoroughly after handling and before mealtimes. Follow all MSDS and label precautions even after container is emptied since it may contain residual material.
Storage : Store containers closed in ambient location.

KTZ® INTERVAL RED

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>
TiO ₂		15 mg/m ³		10 mg/m ³
Mica		3 mg/m ³		3 mg/m ³

Personal Protection:

- Eye Protection : Safety glasses with side shields or goggles
- Skin Protection : Rubber gloves, wash at meals and end of shifts
- Respiratory Protection : Use NIOSH/MSHA approved air-purifying respirator as needed to control exposure.
- Ventilation : Provide adequate general mechanical exhaust.

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	: N/A
Bulk Density (g/cbi.)	: N/A	Appearance & Odor	: Free Flowing Pearlescent White Powder

SECTION 10: STABILITY AND REACTIVITY

- Stable: Yes
- Hazardous Polymerization: Will not occur
- Conditions To Avoid: Open flames and sparks, extreme heat, oxidizing materials
- Incompatibility: Oxidizing materials and strong caustic materials can cause a reaction.
- Hazardous Decomposition Products: Incomplete combustion can form CO, CO₂, and dense smoke

SECTION 11: TOXICOLOGICAL INFORMATION

- Titanium Dioxide*
- Skin Irritation : Dermal LD₅₀ > 10 g/kg (Rabbit)
 - Eye Irritation : No data
 - Acute Oral Toxicity : Non-toxic, LD₅₀ > 25 g/kg (rat)
 - Inhalation LC₅₀ : >6.82 mg/L (4 hour)

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

- Mica
- Skin Irritation : No data
 - Eye Irritation : No data
 - Oral Toxicity (rat) : LD₅₀ > 15,000 mg/kg
 - Sensitization : Non-toxic

SECTION 12: ECOLOGICAL INFORMATION

This product has not been evaluated for its ecotoxicity. However, the biodegradation of this product under aerobic conditions is expected to be very poor and there is no evidence to suggest they create ecological problems when released into the environment. Since this product is insoluble, it is believed to have minimal bioaccumulation and bioavailability characteristics.

SECTION 13: DISPOSAL CONSIDERATIONS

- Method of Disposal : Dispose of in accordance with all applicable federal, state, and local regulations. Material may be sent to an approved landfill or licensed treatment, storage, and disposal facility.

SECTION 14: TRANSPORT INFORMATION

- DOT Classification** : Not regulated.
- TDG Classification** : Not regulated.
- IMO/IMDG Classification** : Not regulated.
- ICAO/IATA** : Not regulated.

SECTION 15: REGULATORY INFORMATION

State Regulations Pennsylvania RTK: TITANIUM DIOXIDE: (generic environmental hazard)
 Massachusetts RTK: MICA; TITANIUM DIOXIDE;
 New Jersey: MICA; TITANIUM DIOXIDE;

SECTION 16: OTHER INFORMATION

Date Prepared : August 5, 2002
Date Revised : January 16, 2003
Date Revised : December 17, 2004
Date Revised : April 4, 2006
Date Revised : August 6, 2008
By Nancy O'Shea

Note:
The statements made here 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.