

MATERIAL SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT IDENTIFICATION

Manufacturer/Distributor : Kobo Products, Inc.
Address : 3474 South Clinton Avenue
So. Plainfield, NJ 07080
Emergency Telephone # : (908) 757-0033
Facsimile Number : (908) 757-0905
Trade Name : **FOTS-52 TiO2 CR-50**
INCI Name : Titanium Dioxide (And) Triethoxy Caprylylsilane (And) C9-15 Fluoroalcohol
Phosphates (and) Aluminum Hydroxide

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS</u>	<u>EINECS #</u>
Titanium Dioxide	13463-67-7	236-675-5
Aluminum Hydroxide	21645-51-2	-----
Triethoxy Caprylylsilane	2943-75-1	220-941-2
C9-15 Fluoroalcohol Phosphates	---	---

SECTION 3: HAZARD IDENTIFICATION

No particular danger

SECTION 4: FIRST AID MEASURES

Effects and Symptoms:

Effects of Overexposure to Dust : May cause mechanical irritation to eyes.
Medical Conditions Aggravated by Exposure : Persons with respiratory conditions may be at increased risk.
Primary Route(s) of Entry : Inhalation or skin and eye contact.

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 to drink, induce vomiting, and call physician.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point (Closed Cup) : None Flammable
Flammable Limits LEL/UEL % : N/A
Extinguishing Media : Water, Dry Chemical, Foam, CO2
Special Fire Fighting Procedures : Self-contained breathing apparatus and protective clothing. If possible,

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions : Avoid skin and eye contact
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 :

Avoid contact with eyes, skin, or clothing. Wash thoroughly after handling and before mealtimes.

Storage :

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Store in a normal temperature and a normal humidity room. Avoid a high temperature and high humidity.

Contact with combustible material may cause fire.

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION**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	: The use of local exhaust ventilation is recommended.

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)	: N/A	Evaporation Rate (Buac=1)	: N/A
Vapor Pressure (mm hg)	: N/A	Solubility In Water	: Insoluble
Bulk Density (g/cbi.)	: N/A	Appearance & Odor	: White micro powder.
Specific Gravity (H ₂ O=1)	: N/A		: Odorless or a Characteristic Odor.

SECTION 10: STABILITY AND REACTIVITY

Stable	: Stable under all condition.
Hazardous Polymerization	: Will not occur
Conditions To Avoid	: None
Incompatibility	: None
Hazardous Decomposition Products	: Not Applicable

SECTION 11: TOXICOLOGICAL INFORMATION

Skin Irritation (rabbit)	: Dermal; very slight irritation to the skin could occur.
Eye Effects	: Moderately irritating
Acute Inhalation Effects	: No evidence of lung disease in humans and animals under long-term to respirable TiO ₂ . : TC10>250mg/m ³ /6hrs/years (Rats)
Acute Oral Toxicity (rat)	: LD ₅₀ > 12,000mg/kg (rat) TiO ₂ : LD ₅₀ > 4400mg/kg (rat) n-Octyltriethoxysilane
Subchronic Effects	: Not available
Chronic Effects/ Carcinogenicity	: No specific signs of toxicity were observed in dogs, cats, rabbits and pigs after ingestion of Tio ₂ over 390 days. : None of components of Titanium Dioxide CR-50 is listed as carcinogen by IARC, NTP or OSHA.
Mutagenicity	: Not available
Intramuscular Injection	: TDLO>360mg/kg/2 years (rat) : TD>260 mg/kg/84 weeks(rat)

SECTION 12: ECOLOGICAL INFORMATION

Acute Fish Toxicity	: Not available
Other Information	: Not available

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. Do not dump this material into sewers, on the ground or into any body of water.
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SECTION 14: TRANSPORT INFORMATION

Never drop container while transporting. Take care to avoid breaking the packages.

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To ventilate and avoid getting wet.

SECTION 15: REGULATORY INFORMATION

Ensure this material in compliance with federal requirements and ensure conformity to local regulations

SECTION 16: OTHER INFORMATION

Date Prepared : August 5, 2002
Last Revision : February 27, 2004
By Eric Smith

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.