

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: **TNP45TEL**
INCI Name / Chemical Name: Titanium Dioxide (And) C12-15 Alkyl Benzoate (And) Stearic Acid (And) Silica (And) Alumina
(And) Polyhydroxystearic Acid
Material Uses: Component in personal care products

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient:	CAS #:	EINECS #:
C12-15 Alkyl Benzoate	68411-27-8	270-112-4
Titanium Dioxide	13463-67-7	236-675-5
Stearic Acid	57-11-4	200-313-4
Silica	7631-86-9	231-545-4
Alumina	1333-84-2	215-691-6
Polyhydroxystearic Acid	27924-99-8	500-140-7

SECTION 3: HAZARD IDENTIFICATION

Physical State and Appearance: White paste with characteristic odor.

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

Routes of Entry: Eye contact and skin.

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 hazardous in case of ingestion.

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

Flash Point: >160°C
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

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.

Spill Kit information: No specific spill kit required for this product.

SECTION 7: HANDLING AND STORAGE

Handling: Use only with adequate ventilation. Avoid prolonged or repeated contact with skin. Avoid contact with eyes. Wash thoroughly after handling.

Storage: Keep container dry. Keep containers sealed until ready for use.

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Levels:	OSHA		ACGIH	
<u>Component</u>	<u>TWA</u>	<u>PEL</u>	<u>TWA</u>	<u>TLV</u>
TiO ₂	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)	: >275	Percent Volatile By Vol. (%)	: N/A
Freezing Point (°C)	: <0	Vapor Density (Air=1)	: N/A
Melting Point (°C)	: N/A	Solubility In Water	: Insoluble
Bulk Density (g/cbi.)	: N/A	Appearance & Odor	: White paste with characteristic odor.

SECTION 10: STABILITY AND REACTIVITY

Stable: Stable

Hazardous Polymerization: None

Incompatibility: Strong acids and strong oxidizing agents

Hazardous Decomposition Products: Incomplete combustion can produce carbon monoxide, carbon dioxide and nitrous dioxide

SECTION 11: TOXICOLOGICAL INFORMATION

	<u>Titanium Dioxide*</u>	<u>C12-15 Alkyl Benzoate</u>
Skin Irritation:	Dermal LD ₅₀ > 10 g/kg (rabbit)	Non-irritant
Eye Irritation:	Non-irritating, Draize score = 0.00 (rabbit)	Non-irritant (rabbit)
Acute Oral Toxicity:	Non-toxic, LD ₅₀ > 25 g/kg (rat)	Single dose LD ₅₀ > 1 g/kg (mice)
Inhalation LC ₅₀ :	>6.82 mg/L (4 hour)	No data

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

Chronic Effects on Humans **CARCINOGENIC EFFECTS:** Classified None by NIOSH [Titanium Dioxide]. Classified A4 (not classifiable for human or animal) by ACGIH. Classifiable Group 2B (possibly carcinogenic to humans) by IARC [Titanium Dioxide].

MUTAGENIC EFFECTS: Not available.

TERATOGENIC EFFECTS: Not available.

DEVELOPMENTAL TOXICITY: Not available.

Repeated or prolonged exposure to the substance at concentrations above exposure limits may cause respiratory damage.

Target Organs: eyes, lungs, skin.

Acute Effects on Humans May cause skin, eye, and respiratory irritation.

Sensitization Repeated or prolonged exposure to the substance at concentrations above the exposure limits may cause respiratory tract and lung sensitization.

Carcinogenic Effects This material is not known to cause cancer in animals or humans.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity of the Products of Biodegradation: N/A

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of according to all federal, state and local regulations.

SECTION 14: TRANSPORT INFORMATION

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

SECTION 15: REGULATORY INFORMATION

This product or its components are on the following inventories: European Inventory of Existing Commercial Chemicals
 Australia Inventory of Chemical Substances
 Japan Inventory of Existing & New Chemical Substances
 Canada DSL Inventory

SECTION 16: OTHER INFORMATION

Hazardous Material Information System (USA) [Ratings Key: 4= Highest hazard, 0= Lowest hazard]

Health	0
Fire Hazard	1
Reactivity	0
Personal Protection	C

Date Prepared: August 19, 2009
 By Neringa Kontrimiene
 Date Revised: August 27, 2009
 By Neringa Kontrimiene

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.