

# MATERIAL SAFETY DATA SHEET

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## SECTION 1: CHEMICAL PRODUCT IDENTIFICATION

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Manufacturer/Distributor : Kobo Products, Inc.  
Address : 3474 South Avenue  
South Plainfield, NJ 07080, USA  
Emergency Telephone # : (908) 757-0033  
Facsimile Number : (908) 757-0905  
Trade Name : **DTFSF40VBAS**  
INCI Name : Titanium Dioxide (And) Dimethicone (And) Trisiloxane (And) Methyl Trimethicone (And) C12-15 Alkyl Benzoate (And) Caprylyl Methicone (And) Polyhydroxystearic Acid (And) Triethoxysilylethyl Polydimethylsiloxyethyl Hexyl Dimethicone (And) PEG-9 Polydimethylsiloxyethyl Dimethicone (And) Alumina

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## SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

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<b>Ingredient:</b>	<b>CAS #:</b>	<b>EINECS #:</b>
Titanium Dioxide	13463-67-7	236-675-5
Dimethicone	9006-65-9, 63148-62-9, 9016-00-6	Polymer
Trisiloxane	107-51-7	203-497-4
Methyl Trimethicone	17928-28-8	241-867-7
C12-15 Alkyl Benzoate	68411-27-8	270-112-4
Caprylyl Methicone	17955-88-3	241-881-3
Polyhydroxystearic Acid	27924-99-8	500-140-7
Triethoxysilylethyl Polydimethylsiloxyethyl Hexyl Dimethicone	---	Polymer
PEG-9 Polydimethylsiloxyethyl Dimethicone	---	Polymer
Alumina	1333-84-2	215-691-6

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## SECTION 3: HAZARD IDENTIFICATION

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No particular danger

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## SECTION 4: FIRST AID MEASURES

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### 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.

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## SECTION 5: FIRE FIGHTING MEASURES

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Flash Point (Closed Cup) : N/A  
Flammable Limits LEL/UEL % : N/A  
Extinguishing Media : Dry Chemical, Foam, CO<sub>2</sub>, and water spray  
Special Fire Fighting Procedures : Self-contained breathing apparatus and protective clothing.  
Unusual Fire and Explosion Hazards : Foam or water can cause frothing.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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Personal Precautions : Eye contact and excessive skin 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.

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## SECTION 7: HANDLING AND STORAGE

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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.

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**DTFSF40VBAS****SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION**

<b>Exposure Levels:</b> <u>Component</u>	OSHA		ACGIH	
	<u>TWA</u>	<u>PEL</u>	<u>TWA</u>	<u>TLV</u>
TiO <sub>2</sub>	15 mg/m <sup>3</sup>		10 mg/m <sup>3</sup>	

**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)	: Not determined
Melting Point (°C)	: N/A	Evaporation Rate (Buac=1)	: Not determined
Vapor Pressure (mm hg)	: N/A	Solubility In Water	: Dispersible
Specific Gravity (H <sub>2</sub> O=1)	: N/A	Appearance & Odor	: White slurry, slight odor

**SECTION 10: STABILITY AND REACTIVITY**

Stable	: Stable
Hazardous Polymerization	: None
Incompatibility	: Strong oxidizing agents and strong acids.
Hazardous Decomposition Products	: Flammable solids, emits toxic fumes under fire conditions.

**SECTION 11: TOXICOLOGICAL INFORMATION**

	<u>Titanium Dioxide*</u>
Skin Irritation	: Dermal LD <sub>50</sub> > 10 g/kg (rabbit)
Eye Irritation	: No data
Acute Oral Toxicity	: Non-toxic, LD <sub>50</sub> > 25 g/kg (rat)
Inhalation LC <sub>50</sub>	: >6.82 mg/L (4 hour)
Sensitization	: 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
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**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.
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**DTFSF40VBAS**

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**SECTION 14: TRANSPORT INFORMATION**

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DOT Classification : N/A

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**SECTION 15: REGULATORY INFORMATION**

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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

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**SECTION 16: OTHER INFORMATION**

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**Hazardous Material Information System (U.S.A.)** [Ratings Key: 4= Highest hazard, 0= Lowest hazard]

Health	1
Fire Hazard	1
Reactivity	0
Personal Protection	C

Date Prepared : January 4, 2010  
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.