

MATERIAL SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT IDENTIFICATION

Manufacturer/Distributor : Kobo Products, Inc.
Address : 3474 South Clinton Ave
South Plainfield, NJ 07080
Emergency Telephone # : (908) 757-0033
Facsimile Number : (908) 757-0905
Trade Name : **CM3K40T4**
Chemical Name/ Synonyms : Titanium Dioxide (And) Cyclopentasiloxane (And) PEG-10 Dimethicone (And) Alumina
(and) Methicone

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS #	EINECS #
Titanium Dioxide	13463-67-7	236-675-5
Decamethylcyclopentasiloxane	541-02-6	208-764-9
PEG-10 Dimethicone	68937-54-2	Polymer
Alumina	1333-84-2	215-691-6
Methicone	9004-73-3	Polymer

SECTION 3: HAZARD IDENTIFICATION

EMERGENCY OVERVIEW:

Caution! Combustible Liquid and Vapor.
Keep away from heat, sparks, and flame.
Refer to other MSDS sections for detailed information.

SECTION 4: FIRST AID MEASURES

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.
Ingestion : None needed for small amounts. For large amounts, call physician. Do not induce vomiting.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point (Closed Cup) : >76.6 ° C
Flammable Limits LEL/UEL % : N/A
Extinguishing Media : CO₂, Water spray, Dry Chemical, Foam
Special Fire Fighting Procedures : Self-contained breathing apparatus and protective clothing.
Unusual Fire And Explosion Hazards : Vapors are heavier than air and can travel along ground to remote ignition sources.

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 : 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.

CM3K40T4

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Levels: Component	OSHA		ACGIH	
	TWA	PEL	TWA	TLV
TiO ₂		15 mg/m ³		10 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)	: 210°C	Percent Volatile By Vol. (%)	: 50
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
Specific Gravity (H ₂ O=1)	: About 1.36	Appearance & Odor	: Viscous white liquid, slight odor

SECTION 10: STABILITY AND REACTIVITY

Stable	: Yes
Hazardous Polymerization	: Will not occur
Conditions To Avoid	: Open flames and sparks
Incompatibility	: Oxidizing material can cause a reaction
Hazardous Decomposition Products	: SiO ₂ , CO, CO ₂ . May form acetaldehyde when heated which can cause irritation to nose, eyes, and throat.

SECTION 11: TOXICOLOGICAL INFORMATION

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

*: 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

No data is 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.

SECTION 14: TRANSPORT INFORMATION

DOT Shipping Name: Combustible Liquid N.O.S. (contains Decamethylcyclopentasiloxane)
 DOT Hazard Class: Combustible Liquid
 DOT Label(s): None
 UN/NA Number: NA1993
 Placards: Combustible

IATA: Not regulated
 IMO IMDG-code: Not applicable
 EMS No: Not applicable
 European Class:
 RID (OCTI): Not applicable
 ADR (ECE): Not applicable
 RAR (IATA): Not applicable

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 (U.S.A.) [Ratings Key: 4= Highest hazard, 0= Lowest hazard]

Health	1
Fire Hazard	2
Reactivity	0
Personal Protection	C

Date Prepared : April 4, 2000
 Date Revised : January 17, 2002
 Date Revised : February 20, 2002
 Date Revised : July 9, 2003
 Date Revised : October 15, 2003
 Date Revised : August 14, 2007
 By Eric Smith
 Date Revised : April 9, 2009
 Date Revised : September 9, 2009
 By Neringa Kontrimiene

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.