

MATERIAL SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT IDENTIFICATION

Manufacturer/Distributor : Kobo Products, Inc.
Address : 3474 South Clinton Avenue
South Plainfield, NJ 07080, USA
Emergency Telephone # : (908) 757-0033
Facsimile Number : (908) 757-0905
Trade Name : **GCP50VTTS**
Chemical Name/ Synonyms : Caprylic/Capric Triglyceride (And) Titanium Dioxide (And) Alumina (And) Polyhydroxystearic Acid (And) Isopropyl Titanium Triisostearate (And) Triethoxycaprylylsilane

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS #	EINECS #
Titanium Dioxide	13463-67-7	236-675-5
Caprylic/Capric Triglyceride	65381-09-1	265-724-3
Alumina	1344-28-8	215-691-6
Polyhydroxystearic Acid	27924-99-8, 58128-22-6	500-140-7
Isopropyl Titanium Triisostearate	61417-49-0	262-774-8
Triethoxycaprylylsilane	2943-75-1	220-941-2

SECTION 3: HAZARD IDENTIFICATION

No hazard identification

SECTION 4: FIRST AID MEASURES

Effects and Symptoms:

Primary Route(s) of Entry : 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.

Ingestion : None needed for small amounts. For large amounts, if conscious, give water and call physician.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point (Closed Cup) : 450F
Flammable Limits LEL/UEL % : N/A
Extinguishing Media : Dry Chemical, Foam, CO2, 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.

SECTION 6: ACCIDENTAL RELEASE MEASURES

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.

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.

GCP50VTTS**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)	: > 500°C	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	: Insoluble
Specific Gravity (H ₂ O=1)	: N/A	Appearance & Odor	: White liquid, characteristic odor

SECTION 10: STABILITY AND REACTIVITY

Stable	: Yes
Hazardous Polymerization	: Will not occur
Conditions to Avoid	: Open flames and sparks, extreme heat, oxidizing materials
Incompatibility	: Strong oxidizing materials such as peroxide, bromine and chromic acid, strong acids, dehydrating agents, hydrogen peroxide can cause a reaction.
Hazardous Decomposition Products	: CO ₂

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 (1988)

Chronic Effects on Humans	<p>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].</p> <p>MUTAGENIC EFFECTS: Not available.</p> <p>TERATOGENIC EFFECTS: Not available.</p> <p>DEVELOPMENTAL TOXICITY: Not available.</p> <p>Repeated or prolonged exposure to the substance at concentrations above exposure limits may cause respiratory damage.</p> <p>Target Organs: eyes, lungs, skin.</p>
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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GCP50VTTS**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 (U.S.A.) [Ratings Key: 4= Highest hazard, 0= Lowest hazard]

Health	0
Fire Hazard	1
Reactivity	0
Personal Protection	C

Date Prepared : May 23, 2003
 Date Revised : July 14, 2003
 Date Revised : April 14, 2004
 By Eric Smith
 Date Prepared : August 27, 2010
 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.