

# 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 : **GCO45TV**  
INCI Name : Titanium Dioxide (And) Caprylic/Capric Triglyceride (And) Sorbitan Oliviate (And) Aluminum Hydroxide (And) Stearic Acid  
Material Uses : Component in personal care products

---

## SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

---

<u>Chemical Name</u>	<u>CAS #</u>	<u>EINECS #</u>
Titanium Dioxide	13463-67-7	236-675-5
Caprylic/Capric Triglyceride	65381-09-1	265-724-3
Sorbitan Oliviate	223706-40-9	N/A
Aluminum Hydroxide	21645-51-2	244-492-7
Stearic Acid	57-11-4	200-313-4

---

## SECTION 3: HAZARD IDENTIFICATION

---

Physical State and Appearance : White paste  
Emergency Overview : May cause eye and skin irritation.  
Routes of Entry : Eye contact. Ingestion (not anticipated).

### 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 : Negligible unless heated to produce vapors. Vapors or finely misted material may irritate the mucus membranes and cause irritation, dizziness, or nausea.  
Ingestion : Not an intended route of exposure. May be hazardous in case of ingestion. Symptoms include gastrointestinal tract upset and diarrhea.

---

## 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 : Remove individual to fresh air. Seek medical attention if breathing becomes difficult or symptoms persist.  
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 (Closed Cup) : >230°C  
Flammable Limits LEL/UEL % : N/A  
Extinguishing Media : Dry Chemical, Foam, CO2, water spray  
Special Fire Fighting Procedures : Self-contained breathing apparatus and protective clothing.  
Unusual Fire and Explosion Hazards : Foam or water can cause frothing.

---

**GCO45TV****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.

**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)	: > 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
Appearance & Odor	: White paste, 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<sub>2</sub>

**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)

\*: Trochimowicz. et. Al., J. Appl. Tox. 8, 383-385 (1988)

**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.

**GCO45TV**

**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**

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 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	1
Fire Hazard	1
Reactivity	0
Personal Protection	C

Date Prepared : January 7, 2011  
 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.