

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 : **PM9P50VM-AL**
Chemical Name/ Synonyms : Titanium Dioxide (And) Pentamethylheptane (And) Alumina (And)
Methylhydrogenpolysiloxane (And) Polyhydroxystearic Acid
INCI Name : Titanium Dioxide (And) Isododecane (And) Alumina (And) Methicone (And)
Polyhydroxystearic Acid

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS #</u>	<u>EINECS #</u>
Titanium Dioxide	13463-67-7	236-675-5
Isododecane	141-70-8	205-495-9
Alumina	1333-84-2	215-691-6
Methicone	9004-73-3, 63148-57-2	Polymer
Polyhydroxystearic Acid	27924-99-8	500-140-7

SECTION 3: HAZARD IDENTIFICATION

Warning! Flammable; vapors may spread long distances and ignite; ground containers and equipment before transferring to avoid static sparks.

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 : Remove contaminated clothing. Flush skin with soap and water for at least 15 min.
Inhalation : Remove to fresh air. If breathing is difficult give oxygen. If not breathing, give artificial respiration. See physician.
Ingestion : None needed for small amounts. For large amounts, call physician. Do not induce vomiting.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point (Closed Cup) : >109° F (>42°C)
Flammable Limits LEL/UEL % : N/A
Extinguishing Media : Water spray, Dry Chemical, Foam, CO2.
Special Fire Fighting Procedures : Self-contained breathing apparatus and protective clothing.
Unusual Fire And Explosion Hazards : Can burn in fire, releasing toxic vapors. Vapors are heavier than air and can travel along ground to remote ignition sources.

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.

PM9P50VM-AL**SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION**

Exposure Levels: <u>Component</u>	OSHA		ACGIH	
	<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 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. (%)	: N/A
Freezing Point (°C)	: < -70°C	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)	: N/A	Appearance & Odor	: White slurry, 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 Oxidizers
Hazardous Decomposition Products	: Thermal decomposition may produce CO, CO ₂ , and other potentially toxic or irritating fumes.

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)
Sensitization	: No data
Inhalation LC ₅₀	: >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.

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

PM9P50VM-AL**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**FOR CONTAINERS (over 5.0L or 1.3 gallons) ONLY:****IMDG/IATA/DOT**

SHIPPING NAME: Flammable Liquids, n.o.s. (Pentamethylheptane)

HAZARD CLASS: Flammable Liquid

Hazard Class: 3

PG: III

DOT LABEL(S): NONE

UN NUMBER: UN1993

ICAO/IATA (Air)

Passenger Air-Max QTY 60L

Cargo Air-Max QTY 220L

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 : January 6, 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.