

MATERIAL SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT IDENTIFICATION

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 : **DM2X45TIS**
INCI Name : Dimethicone (And) Trisiloxane (And) Titanium Dioxide (And) PEG/Ppg-18/18 Dimethicone (And) Polyglyceryl-6 Polyricinoleate (And) Aluminum Hydroxide (And) Isostearic Acid

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

<u>Ingredient:</u>	<u>CAS #:</u>	<u>EINECS #:</u>
Dimethicone	9006-65-9, 63148-62-9, 9016-00-6	Polymer
Trisiloxane (Chemical name – Octamethyltrisiloxane)	107-51-7	203-497-4
Titanium Dioxide	13463-67-7	236-675-5
PEG/Ppg-18/18 Dimethicone	68937-55-3	Polymer
Polyglyceryl-6 Polyricinoleate	107615-51-0; 29894-35-7 (generic); 114355-43-0	Polymer
Aluminum Hydroxide	21645-51-2	244-492-7
Isostearic Acid	2724-58-5, 30399-84-9	220-336-3, 250-178-0

SECTION 3: HAZARD IDENTIFICATION

Caution! Flammable liquid and vapor. Keep away from heat, sparks, and flame.

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.
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.

SECTION 5: FIRE FIGHTING MEASURES

- Flash Point (Closed Cup) : >48°C
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.

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

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

DM2X45TIS**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)	: >190	Percent Volatile By Vol. (%)	: N/A
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	: Dispersible
Specific Gravity (H ₂ O=1)	: N/A	Appearance & Odor	: White slurry, slight characteristic odor

SECTION 10: STABILITY AND REACTIVITY

Stable	: Stable
Hazardous Polymerization	: None
Incompatibility	: Strong oxidizing agents and strong acids
Hazardous Decomposition Products	: Nature of decomposition products is not known

SECTION 11: TOXICOLOGICAL INFORMATION

Titanium Dioxide*

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)
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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SECTION 14: TRANSPORT INFORMATION

DOT Shipping Name	: FLAMMABLE LIQUID, N.O.S. (contains Octamethyltrisiloxane)
Class	: 3
DOT Labels	: 3
UN/NA Number	: UN1993
Packing Group	: III

DM2X45TIS

IMDG Shipping Name : FLAMMABLE LIQUID, N.O.S. (contains Octamethyltrisiloxane)
 Class : 3
 IMDG-Labels : Flammable liquid
 UN Number : UN1993
 Packing Group : III
 EMS No : F-E; S-E

ICAO/IATA : FLAMMABLE LIQUID, N.O.S. (contains Octamethyltrisiloxane)
 Class : 3
 ICAO-Labels : Flammable liquid
 UN Number : UN1993
 Packing Group : III

ADR/RID : FLAMMABLE LIQUID, N.O.S. (contains Octamethyltrisiloxane)
 Class : 3
 ADR/RID-Labels : 3
 UN Number : UN1993
 Packing Group : III

Further information : Combustible. Keep away from foodstuffs and animal feed.

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 : August 13, 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.