

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 : **DM2X80MZCM**
INCI Name : Zinc Oxide (And) Dimethicone (And) Trisiloxane (And) Hydrogen Dimethicone (And)
PEG/PPG-18/18 Dimethicone

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

<u>Ingredient:</u>	<u>CAS #:</u>	<u>EINECS #:</u>
Zinc Oxide	1314-13-2	215-222-5
Dimethicone	9006-65-9, 63148-62-9, 9016-00-6	Polymer
Trisiloxane	107-51-7	203-497-4
Hydrogen Dimethicone	68037-59-2	Polymer
PEG/PPG-18/18 Dimethicone	68937-55-3	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.
 - 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.
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SECTION 5: FIRE FIGHTING MEASURES

Flash Point (Closed Cup) : 48°C
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. Avoid heat, sparks, and flame.
Storage : Store containers closed in ambient location. Keep away from heat, sparks, and flame.

DM2X80MZCM

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Limit Values:

Chemical Name	OSHA		ACGIH	
	<u>TWA</u>	<u>PEL</u>	<u>TWA</u>	<u>TLV</u>
Zinc Oxide (total dust)	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) : 190	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 : Dispersible
Specific Gravity (H ₂ O=1) : N/A	Appearance & Odor : Off white slurry, slight characteristic odor

SECTION 10: STABILITY AND REACTIVITY

- Stable : Stable
- Hazardous Polymerization : Will not occur
- Conditions to Avoid : Heat, sparks, and flame.
- Incompatibility : Strong oxidizing agents and strong acids
- Hazardous Decomposition Products : Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Silica. Carbon oxides and traces of incompletely burned carbon compounds. Formaldehyde.

SECTION 11: TOXICOLOGICAL INFORMATION

- Zinc Oxide
- Skin Irritation : None when 0.5 mL/patch of 50 % water dispersion
 - Primary Eye Irritation : Slight stimulus, Draize Score= 6.67
 - Acute Oral Toxicity : Non-toxic, LD₅₀ > 2 g/kg (rat)
 - Acute Skin Toxicity : Non-toxic, LD₅₀ > 2 g/kg (rat)
 - Mutagenicity : Negative (Ames test)

Chronic Effects on Humans

CARCINOGENIC EFFECTS: Classified None by NIOSH [Zinc Oxide]. Classified A4 (not classifiable for human or animal) by ACGIH. 3 (not classifiable for human) by IARC [Zinc Oxide].

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 Sensitization

May cause skin, eye, and respiratory irritation.

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 (ONLY to containers over 119 gallons or 450 liters):

Proper Shipping Name : Combustible liquid, n.o.s.
 Hazard Technical Name : Octamethyltrisiloxane / Decamethyltetrasiloxane
 Hazard Class : C
 UN/NA Number : NA1993
 Packing Group : III
 Hazard Label(s) : None

IMDG and IATA Classification:

Proper Shipping Name : Flammable liquid, n.o.s.
 Hazard Technical Name : Octamethyltrisiloxane / Decamethyltetrasiloxane
 Hazard Class : 3
 UN/NA Number : UN1993
 Packing Group : III
 Hazard Label(s) : Flammable Liquid

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 : January 8, 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.