

# MATERIAL SAFETY DATA SHEET

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## SECTION 1: CHEMICAL PRODUCT IDENTIFICATION

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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 : **CMX80MZCM**  
INCI Name : Zinc Oxide (And) Cyclopentasiloxane (And) Dimethicone (And) PEG/Ppg-18/18 Dimethicone  
(And) Hydrogen Dimethicone

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## SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

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<b>Ingredient:</b>	<b>CAS #:</b>	<b>EINECS #:</b>
Zinc Oxide	1314-13-2	215-222-5
Cyclopentasiloxane	541-02-6	208-764-9
Dimethicone	9006-65-9, 63148-62-9, 9016-00-6	Polymer
PEG/Ppg-18/18 Dimethicone	68937-55-3	Polymer
Hydrogen Dimethicone	68037-59-2	Polymer

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## SECTION 3: HAZARD IDENTIFICATION

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EMERGENCY OVERVIEW : Caution! Combustible Liquid and Vapor.  
Keep away from heat, sparks, and flame.  
Refer to other MSDS sections for detailed information.

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## SECTION 4: FIRST AID MEASURES

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### 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 milk to drink and call physician. Do not induce vomiting.

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## SECTION 5: FIRE FIGHTING MEASURES

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Flash Point (Closed Cup) : >76.6 °C  
Flammable Limits LEL/UEL % : N/A  
Extinguishing Media : CO<sub>2</sub>, Water spray, Dry Chemical, Foam  
Special Fire Fighting Procedures : Self-contained breathing apparatus and protective clothing.  
Unusual Fire And Explosion Hazards : Vapors are heavier than air and can travel along ground to remote ignition sources.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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Personal Precautions : Avoid skin and eye 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.

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## SECTION 7: HANDLING AND STORAGE

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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.

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## SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

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### Exposure Levels:

Component		<u>OSHA's PEL</u>	<u>ACGIH's TLV</u>
Zinc Oxide	Nuisance Dust	15 mg/m <sup>3</sup>	10mg/m <sup>3</sup>

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**CMX80MZCM**

Respirable Dust	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>
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**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)	: N/A	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	: Insoluble
Specific Gravity (H <sub>2</sub> O=1)	: N/A	Appearance & Odor	: Off-white paste, slight odor

**SECTION 10: STABILITY AND REACTIVITY**

Stable	: Yes
Hazardous Polymerization	: Will not occur
Conditions To Avoid	: Open flames and sparks
Incompatibility	: Oxidizing material can cause a reaction
Hazardous Decomposition Products	: SiO <sub>2</sub> , CO, CO <sub>2</sub> . May form acetaldehyde when heated which can cause irritation to nose, eyes, and throat.

**SECTION 11: TOXICOLOGICAL INFORMATION**

	<u>Zinc Oxide</u>	<u>Cyclopentasiloxane</u>
Skin Irritation	: None when 0.5 mL/patch of 50 % water dispersion	Non-irritant
Eye Irritation	: Slight stimulus, Draize Score= 6.67	Non-irritant (rabbit)
Acute Oral Toxicity	: Non-toxic, LD <sub>50</sub> > 2 g/kg (rat)	LD <sub>50</sub> > 5,000 mg/kg
Acute Skin Toxicity	: Non-toxic, LD <sub>50</sub> > 2 g/kg (rat)	No data
Sensitization	: No data	Non-sensitizing
Inhalation LC <sub>50</sub>	: No data	Saturated vapor, 8 hour, no death
Mutagenicity	: Negative (Ames test)	No data

**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** 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 is available.

**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 BULK CONTAINERS (>119 GAL) ONLY:

**CMX80MZCM**

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DOT Shipping Name : Combustible Liquid N.O.S. (contains Decamethylcyclopentasiloxane)  
DOT Hazard Class : Combustible Liquid  
DOT Label(s) : None  
UN/NA Number : NA1993  
Placards : Combustible

Further information : Keep away from foodstuffs and animal feed.

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**SECTION 15: REGULATORY INFORMATION**

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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

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**SECTION 16: OTHER INFORMATION**

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**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 5, 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.