

# MATERIAL SAFETY DATA SHEET

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## SECTION 1: CHEMICAL PRODUCT IDENTIFICATION

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Manufacturer/Distributor : Kobo Products, Inc.  
Address : 690 Montrose Avenue  
So. Plainfield, NJ 07080  
Emergency Telephone # : (908) 757-0033  
Facsimile Number : (908) 757-0905  
Trade Name : **DSPCS/20N-I2**  
Chemical Name/ Synonyms : Silica (And) Ethylene/Methacrylate Copolymer (And) Isopropyl Titanium  
Triisostearate

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## SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

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<u>Chemical Name</u>	<u>CAS #</u>	<u>EINECS #</u>
Silica	7631-86-9	231-545-4
Ethylene/Methacrylate Copolymer	---	---
Isopropyl Titanium Triisostearate	61417-49-0	262-774-8

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## SECTION 3: HAZARD IDENTIFICATION

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### Effects and Symptoms:

Effects of Overexposure : May cause mechanical irritation to eyes.  
Medical Conditions Aggravated by Exposure : Persons with respiratory conditions may be at increased risk.  
Primary Route(s) of Entry : Inhalation and eye contact.

### Chronic (Cancer Info.)

: Not listed as a carcinogen by IARC, NTP, Z List or OSHA.

### Target Organs

: Lung.

### Medical Conditions Aggravated

: Individuals with pre-existing respiratory conditions such as asthma or skin conditions such as dermatitis may be at greater risk from exposure to material.

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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 water.  
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. Do not induce vomiting.

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## SECTION 5: FIRE FIGHTING MEASURES

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Flash Point (Closed Cup) : N/A  
Flammable Limits LEL/UEL % : N/A  
Extinguishing Media : Water, Dry Chemical, Foam, and CO2  
Special Fire Fighting Procedures : Self-contained breathing apparatus and protective clothing.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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Personal Precautions : Avoid inhalation 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 gloves, goggles, and lab coat. Carefully contain spilled material. Deposit spilled material in appropriate waste container. Wash spill area with soap and water.

**DSPCS/20N-I2**

**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 empty 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>
Amorphous Silica		6 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)	: 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	: None
Bulk Density (g/cbi.)	: 0.5 –1.0	Appearance & Odor	: Fine off-white powder Charateristic odor

**SECTION 10: STABILITY AND REACTIVITY**

- Stable : Yes
- Hazardous Polymerization : Will not occur
- Conditions To Avoid : Open flames and sparks, extreme heat.
- Incompatibility : None
- Hazardous Decomposition Products : Incomplete combustion can form CO, CO2

**SECTION 11: TOXICOLOGICAL INFORMATION**

	<u>Silica</u>	<u>Copolymer</u>
Skin Irritation	: None	No Data
Eye Irritation	: Minimal irritation	No Data
Oral Toxicity (rat)	: LD <sub>50</sub> > 10 g/kg (rat)	LD <sub>50</sub> > 19,000 mg/kg
Sensitization	: No data	No Data

**SECTION 12: ECOLOGICAL INFORMATION**

Copolymer - Acute toxicity LC50 for goldfish >5000 ppm. at 96 hours exposure. (Nontoxic)

**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 Regulation** : Not regulated

**DSPCS/20N-I2**

**SECTION 15: REGULATORY INFORMATION**

Silica:

- United States** : TSCA (Toxic Substance Control Act inventory): All components are listed on or exempt under TSCA.
- EPA RCRA : No information was found.
- FDA : Silica and Silicon dioxide are cleared under 21 CFR for food-related uses.
- Europe(EU)** : EINECS (European Inventory of Existing Commercial Chemical Substances): All components are listed on or exempt under EINECS or have been notified to ELINCS.

**SECTION 16: OTHER INFORMATION**

**Hazardous Material Information System** [Ratings Key: 4= Highest hazard, 0= Lowest hazard] (U.S.A.)

Health	1
Fire Hazard	1
Reactivity	0
Personal Protection	E

- EU S phrases : S22... Do not breathe dust.  
S25... Avoid contact with eyes.  
S36... Wear suitable protective clothing.

- Date Prepared : June 20, 2000
- Date Revised : June 13, 2002
- Last Revision : December 19, 2003
- By  
Eric Smith

**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.