

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 : **FAS70USI**
Chemical Name/ Synonyms : Titanium Dioxide (And) Cyclopentasiloxane (And) PEG/Ppg-18/18 Dimethicone (And)
Triethoxycaprylylsilane

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

| <u>Chemical Name</u> | <u>CAS #</u> | <u>EINECS #</u> |
|---------------------------|--------------|-----------------|
| Titanium Dioxide | 13463-67-7 | 236-675-5 |
| Cyclopentasiloxane | 541-02-6 | 208-764-9 |
| PEG/Ppg-18/18 Dimethicone | 68937-55-3 | Polymer |
| Triethoxycaprylylsilane | 2943-75-1 | 220-941-2 |

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.
Ingestion : None needed for small amounts. For large amounts, call physician. Do not induce vomiting.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point (Closed Cup) : >76.6 °C
Flammable Limits LEL/UEL % : N/A
Extinguishing Media : CO₂, 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.

SECTION 6: ACCIDENTAL RELEASE MEASURES

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.

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.

FAS70USI**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. (%) | : 50 |
| 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 ₂ O=1) | : About 1.36 | Appearance & Odor | : Viscous white liquid, 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 ₂ , CO, CO ₂ . May form acetaldehyde when heated which can cause irritation to nose, eyes, and throat. |

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) |
| Inhalation LC ₅₀ | : >6.82 mg/L (4 hour) |

*: Trochimowicz. et. Al., J. Appl. Tox. 8, 383-385 (1998)

| | |
|----------------------------------|--|
| Chronic Effects on Humans | <p>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].</p> <p>MUTAGENIC EFFECTS: Not available.</p> <p>TERATOGENIC EFFECTS: Not available.</p> <p>DEVELOPMENTAL TOXICITY: Not available.</p> <p>Repeated or prolonged exposure to the substance at concentrations above exposure limits may cause respiratory damage.</p> <p>Target Organs: eyes, lungs, skin.</p> |
|----------------------------------|--|

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

No data is available.

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 | 2 |
| Reactivity | 0 |
| Personal Protection | C |

Date Prepared : June 14, 2007
By Eric Smith
Date Revised : September 23, 2008
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.