

# 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  
So. Plainfield, NJ 07080  
Emergency Telephone # : (908) 757-0033  
Facsimile Number : (908) 757-0905  
Trade Name : **FOTS-52 YELLOW LLXLO**  
Chemical Name/ Synonyms : Iron Oxides (And) Triethoxy Caprylsilane (And) C9-15 Fluoroalcohol Phosphates  
INCI Name : Iron Oxides (And) Triethoxy Caprylsilane (And) C9-15 Fluoroalcohol Phosphates

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## SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

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| Chemical Name                  | CAS        | EINECS #  |
|--------------------------------|------------|-----------|
| Yellow Iron Oxide              | 20344-49-4 | -----     |
| Triethoxy Caprylsilane         | 2943-75-1  | 220-941-2 |
| C9-15 Fluoroalcohol Phosphates | ---        | ---       |

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## SECTION 3: HAZARD IDENTIFICATION

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No particular danger

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## SECTION 4: FIRST AID MEASURES

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### Effects and Symptoms:

Effects of Overexposure to Dust : 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 or skin and eye contact.

### 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 to drink, induce vomiting, and call physician.

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## SECTION 5: FIRE FIGHTING MEASURES

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

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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 :

Avoid contact with eyes, skin, or clothing. Wash thoroughly after handling and before mealtimes.

### Storage :

Store in a normal temperature and a normal humidity room. Avoid a high temperature and high humidity.  
Contact with combustible material may cause fire.

**FOTS-52 YELLOW LLXLO****SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION**

| <b>Exposure Levels:</b><br>Component | OSHA       |            | ACGIH      |            |
|--------------------------------------|------------|------------|------------|------------|
|                                      | <u>TWA</u> | <u>PEL</u> | <u>TWA</u> | <u>TLV</u> |
| Iron Oxide                           |            | 15mg/m3    |            | 10mg/m3    |

**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            | : The use of local exhaust ventilation is recommended.                            |

**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                                 |
| Bulk Density (g/cbi.)                 | : N/A | Appearance & Odor            | : Yellow to Orange Micro Powder<br>Odorless |
| Specific Gravity (H <sub>2</sub> O=1) | : N/A |                              |   |

**SECTION 10: STABILITY AND REACTIVITY**

|                                  |                               |
|----------------------------------|-------------------------------|
| Stable                           | : Stable under all condition. |
| Hazardous Polymerization         | : Will not occur              |
| Conditions To Avoid              | : None                        |
| Incompatibility                  | : None                        |
| Hazardous Decomposition Products | : Not Applicable              |

**SECTION 11: TOXICOLOGICAL INFORMATION**

|                                  |   |
|----------------------------------|---|
| Skin Irritation (rabbit)         | : The prolonged skin contact may cause irritating.  |
| Eye Effects                      | : Irritating  |
| Acute Inhalation Effects         | : Irritating to the breathing organs.   |
| Acute Oral Toxicity (rat)        | : LD <sub>50</sub> >=5000mg/kg (rat) Yellow iron oxide<br>LD <sub>50</sub> > 4400mg/kg (rat) n-Octyltriethoxysilane |
| Subchronic Effects               | : Not available   |
| Chronic Effects/ Carcinogenicity | : Not classifiable as a human carcinogen. (IARC&ACGIH)<br>TDL0>135mg/kg (Hypodermic injection, Rats)                |
| Mutagenicity                     | : Negative  |

**SECTION 12: ECOLOGICAL INFORMATION**

|                     |                 |
|---------------------|-----------------|
| Acute Fish Toxicity | : LC0> 1000mg/L |
| Other Information   | : Not 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.<br>Do not dump this material into sewers, on the ground or into any body of water. |
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**SECTION 14: TRANSPORT INFORMATION**

Never drop container while transporting. Take care to avoid breaking the packages.  
To ventilate and avoid getting wet.

**SECTION 15: REGULATORY INFORMATION**

Ensure this material in compliance with federal requirements and ensure conformity to local regulations

**SECTION 16: OTHER INFORMATION**

Date Prepared : August 5, 2002

*Kobo Products Inc.*

**FOTS-52 YELLOW LLXLO**

Last Revision : February 27, 2004  
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.