

# 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 : **PF-5 YELLOW 601**  
INCI : Iron Oxides (C.I. 77492) (And) C9-15 Fluoroalcohol Phosphate  
Material Uses : Pigment, component in personal care products

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## SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

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<b>Ingredient:</b>	<b>CAS #:</b>	<b>EINECS #:</b>
Iron Oxides	51274-00-1	257-098-5
C9-15 Fluoroalcohol Phosphates	666709-57-5	Polymer

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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:

#### Toxicity Data:

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) : N/A  
Flammable Limits LEL/UEL % : N/A  
Extinguishing Media : Water, Dry Chemical, Foam, and CO<sub>2</sub>  
Special Fire Fighting Procedures : Self-contained breathing apparatus and protective clothing. If possible, water should be applied as a spray from a fogging nozzle.  
Unusual Fire and Explosion Hazards : Melts in proximity to fires. May cause slippery floors and stairs. Static charge on powders may ignite flammable atmosphere.

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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.

**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>
Iron Oxides	15 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 :	Insoluble
Bulk Density (g/cbi.) :	N/A	Appearance & Odor :	Yellow powder, odorless

**SECTION 10: STABILITY AND REACTIVITY**

- Stable : Yes
- Hazardous Polymerization : Will not occur
- Conditions to Avoid : None
- Incompatibility : None
- Hazardous Decomposition Products : Not Applicable

**SECTION 11: TOXICOLOGICAL INFORMATION**

- Iron Oxides
- Skin Irritation : No data
- Eye Irritation (rabbit) : Mild-Irritant; Average Draize score = 0.00
- Acute Oral Toxicity (rat) : Non-toxic, LD<sub>50</sub> > 15 g/kg
- Inhalation LC<sub>50</sub> : LC<sub>50</sub>>5,000 g/kg

**Chronic Effects on Humans**

**CARCINOGENIC EFFECTS:** Classified None by NIOSH [Iron Oxides]. Classified A4 (not classifiable for human or animal) by ACGIH, 3 (not classifiable for human) by IARC [Iron Oxides].

**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 information 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**

DOT Classification : Non-hazardous

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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	0
Reactivity	0
Personal Protection	F

Date Prepared : August 5, 1998  
Date Revised : January 16, 2003  
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Date Revised : June 5, 2006  
By Eric Smith  
Date Prepared : May 20, 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.