

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 : **EM RED AFW-F8**
Material Uses : Colorant-Component in personal care products
Chemical Family : Color additive

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

<u>Ingredients</u>	<u>CAS #</u>	<u>EINECS_s</u>
Iron Oxides	1309-37-1	215-168-2
Aloe Barbadosensis Leaf Extract	85507-69-3	287-390-8
Cocos Nucifera (Coconut) Oil	8001-31-8	232-282-8

SECTION 3: HAZARD IDENTIFICATION

Physical State and Appearance: Solid (black powder, characteristic odor)

Emergency Overview: May cause respiratory tract, eye and skin irritation.

Routes of Entry: Eye contact and Inhalation. Ingestion (not anticipated).

Potential Acute Health Effects

Eyes: May cause eye irritation. Symptoms include itching and redness after contact.

Skin: May cause mild skin irritation. Symptoms include itching and redness after contact.

Inhalation: May cause respiratory tract irritation. Symptoms include coughing, wheezing or shortness of breath when inhaled.

Ingestion: Not an intended route of exposure. May be hazardous in case of ingestion. Symptoms include gastrointestinal tract upset and diarrhea.

Potential Chronic Health Effects

Additional information See Toxicological information (section 11)

Medical Conditions Overexposure: Aggravated by Repeated or prolonged inhalation of any dust particulate may aggravate respiratory medical conditions.

SECTION 4: FIRST AID MEASURES

Effects and Symptoms:

Ingestion No adverse effects known
Inhalation No adverse effects known
Skin Contact No known effects
Eye Contact No known effects

First Aid Measures:

Ingestion: Induce vomiting by letting victim drink plenty of water (unless unconscious). Call a doctor at once.
Inhalation: Supply person with fresh air. If symptoms persist, call a doctor.
Skin contact: Wipe affected part and flush with lots of water. Ask for medical advice if skin is irritated.

SECTION 5: FIRE FIGHTING MEASURES

Flammability: N/A
Fire Fighting Media and Instructions: In case of fire, use water spray (fog), foam, dry chemical, or CO2
Protective Clothing (fire): Wear self-contained breathing apparatus and full protective clothing.
Conditions to Avoid: Sparks, ignition sources and generating dust. Airborne dust can be an explosion hazard.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

- Small Spill and Leak:** Use a tool to scoop up solid or absorbed material and place into appropriate labeled waste container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional regulatory requirements.
- Large Spill and Leak:** Use appropriate tools to put the spill material into a labeled waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional regulatory requirements. Check TLV in section 8 of MSDS and with local authorities.
- Spill Kit information:** No specific spill kit required for this product.

SECTION 7: HANDLING AND STORAGE

- Handling:** Avoid generating dust. Avoid breathing dust. Use only with adequate ventilation. Avoid prolonged or repeated contact with skin. Avoid contact with eyes. Keep container closed. Wash thoroughly after handling.
- Storage:** Keep container dry. Keep containers sealed until ready for use.

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Levels:	OSHA		ACGIH	
<u>Component</u>	<u>TWA</u>	<u>PEL</u>	<u>TWA</u>	<u>TLV</u>
Iron Oxides	15 mg/m ³		10 mg/m ³	

Personal Protection:

- Eye:** Safety glasses with side shields or goggles
- Body:** Lab coat
- Respiratory:** Use NIOSH/MSHA approved air-purifying respirator as needed to control exposure.
- Hand:** Recommended: Gloves

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)	: > 1000	Evaporation Rate (Buac=1)	: N/A
Vapor Pressure (mm hg)	: N/A	Solubility In Water	: Insoluble
Bulk Density (g/cbi.)	: N/A	Appearance & Odor	: Red powder, characteristic odor

SECTION 10: STABILITY AND REACTIVITY

- Stable:** Stable
- Hazardous Polymerization:** None
- Incompatibility:** Strong oxidizing agents and strong acids.
- Hazardous Decomposition Products:** Flammable solids, emits toxic fumes under fire conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

- Iron Oxides
- Skin Irritation** : No Data
- Eye Irritation** : Mild-Irritant (rabbit); Average Draize score = 0.00
- Acute Oral Toxicity** : Non-toxic, LD₅₀ > 15 g/kg (rat)

Chronic Effects on Humans

CARCINOGENIC EFFECTS:

Classified None. By NIOSH [Iron Oxides]. Classified A4 (not classifiable for human or animal.) by AGIH, 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.

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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

Toxicity of the Products Of Biodegradation: N/A

SECTION 13: DISPOSAL CONSIDERATIONS

Treatment Dispose of according to all federal, state and local regulations.

SECTION 14: TRANSPORT INFORMATION

DOT Classification Not regulated.

TDG Classification Not regulated.

IMO/IMDG Classification Not regulated.

ICAO/IATA Classification Not regulated.

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 [Ratings Key: 4= Highest hazard, 0= Lowest hazard] (U.S.A.)

Health	1
Fire Hazard	0
Reactivity	0
Personal Protection	F

EU S phrases : S22/25/36/37- Do not breathe dust, avoid contact with eyes, wear suitable protective clothing and gloves.

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 By Yun Shao

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.