

MATERIAL SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT IDENTIFICATION

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 : **BFF-I2**
Chemical Name/ Synonyms : Ferric Ammonium Ferrocyanide (And) Isopropyl Titanium Triisostearate
INCI Name : Ferric Ammonium Ferrocyanide (And) Isopropyl Titanium Triisostearate
CAS # :
EINECS # :

SECTION 2: COMPOSTION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS #</u>	<u>EINECS #</u>
Ferric Ammonium Ferrocyanide	25869-00-5	247-304-1
Isopropyl Titanium Triisostearate	61417-49-0	262-774-8

SECTION 3: HAZARD IDENTIFICATION

No particular danger

SECTION 4: FIRST AID MEASURES

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, do Not induce vomiting.
Get immediate medical attention.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point (Closed Cup) : Non-flammable material
Flammable Limits LEL/UEL % : N/A
Extinguishing Media : Dry Chemical, CO₂, Foam are recommended. Cool area w/water spray.
Special Fire Fighting Procedures : Self-contained breathing apparatus and protective clothing.
Unusual Fire And Explosion Hazards : May burn or explode upon ignition if suspended in air as a dust. Static charge on powders may ignite flammable atmosphere.

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

BFF-I2

Handling :

Use with adequate ventilation. Avoid contact with eyes. Wash thoroughly after handling and before mealtimes. Handling of fine powders may result in static charges. Proper grounding of processing equipment is recommended. Follow all MSDS and label precautions even after container is emptied since it may contain residual material.

Storage :

Store containers closed in moderately cool, dry, well-ventilated area away from direct sources of heat.

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>
Ferric Ammonium Ferrocyanide	15 mg/m ³	5 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)	: N/A	Percent Volatile By Vol. (%)	: 0
Freezing Point (°C)	: N/A	Vapor Density (Air=1)	: N/A
Melting Point (°C)	: No Data	Evaporation Rate (Buac=1)	: N/A
Vapor Pressure (mm hg)	: N/A	Solubility In Water	: < 0.1%
Bulk Density (g/cbi.)	: 5.0 - 10.0	Appearance & Odor	: Fine blue powder, slightly waxy odor

SECTION 10: STABILITY AND REACTIVITY

- Stable : Yes
- Hazardous Polymerization : Will not occur
- Conditions To Avoid : Keep away from extreme heat, sparks, flame, and other ignition sources
- Incompatibility : Avoid strong oxidizing agents such as peroxides, chlorates, perchlorates, nitrates, and permanganates. Strong oxidizers may vigorously evolve oxygen in large amounts.
- Hazardous Decomposition Products : Burning of organic pigments may evolve noxious gases which are toxic. These compounds may include CO, CO₂, NO, NO₂, HCl

SECTION 11: TOXICOLOGICAL INFORMATION

	<u>Ferric Ammonium Ferrocyanide</u>	<u>Isopropyl titanium triisostearate</u>
Skin Irritation	: None expected	0.4 (Draize)
Eye Irritation	: None expected	11.2 (modified Kay and Calandra) (rabbit)
Oral Toxicity (rat)	: LD ₅₀ > 2,000 mg/kg	LD ₅₀ > 2,000 mg/kg
Sensitization	: none	none

SECTION 12: ECOLOGICAL INFORMATION

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

BFF-I2

SECTION 15: REGULATORY INFORMATION

Label Name : **BFF-I2**

SECTION 16: OTHER INFORMATION

Date Prepared : November 4, 2004

Last Revised : January 10, 2003

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.