# MATERIAL SAFETY DATA SHEET

## SECTION 1: CHEMICAL PRODUCT IDENTIFICATION

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 : **BYO-NS5**
Chemical Name/ Synonyms : Iron Hydroxide Oxide (Cl 77492) (And) Methoxy Amodimethicone/Silsesquioxane Copolymer

INCI Name : Iron oxide (And) Methoxy Amodimethicone/Silsesquioxane Copolymer

## SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name | CAS # | EINECS # |
|---|---|---|
| Iron Hydroxide Oxide | 20344-49-4 | 243-746-4 |
| Methoxy Amodimethicone/Silsesquioxane Copolymer | 68440-84-6, 67923-07-3 | ----- |

## SECTION 3: HAZARD IDENTIFICATION

No particular danger

## SECTION 4: FIRST AID MEASURES

**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 and induce vomiting. Call physician.

## SECTION 5: FIRE FIGHTING MEASURES

Flash Point (Closed Cup) : N/A
Flammable Limits LEL/UEL % : N/A
Extinguishing Media : Water, Dry Chemical, Foam, $CO_2$
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

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 ambient location.

## SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

**Exposure Levels:**

| Component | OSHA TWA | OSHA PEL | ACGIH TWA | ACGIH TLV |
|---|---|---|---|---|
| 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 | : | 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) | : | >1000°C | Evaporation Rate (Buac=1) | : | 0 |
| Vapor Pressure (mm hg) | : | N/A | Solubility In Water | : | Insoluble |
| Specific Gravity (g/cc.) | : | N/A | Appearance & Odor | : | Fine yellow powder, Characteristic 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 | : | Acids and strong oxidizing agents |
| Hazardous Decomposition Products | : | None |

## SECTION11: TOXICOLOGICAL INFORMATION

| | | Iron Oxide |
|---|---|---|
| Skin Irritation (rabbit) | : | No data |
| Primary Eye Irritation (rabbit) | : | Mild-irritant<br>Average Draize score = 0.00 |
| Acute Oral Toxicity (rat) | : | Non-toxic, $LD_{50}$ > 15 g/kg (rat) |
| Sensitization | : | None |

## SECTION 12: ECOLOGICAL INFORMATION

No Data

## 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

Classification: Non-hazardous

## SECTION 15: REGULATORY INFORMATION

No data.

## SECTION 16: OTHER INFORMATION

| | | |
|---|---|---|
| Date Prepared | : | April 11, 2002 |
| Revised | : | January 10, 2003 |
| Last Revised | : | May 22, 2007 |

**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.