

# 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 : **BG60GRQ**  
Chemical Name/ Synonyms : Iron Oxide (And) Butylene Glycol (And) Water (And) Polydimethyldiallyammonium chloride-co-acrylamide)  
INCI Name : Iron Oxides (And) Butylene Glycol (And) Water (And) Polyquaternium-7

## SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS #	EINECS #
Iron Oxide	1309-37-1	215-168-2
Butylene Glycol	107-88-0	203-529-7
Water	7732-18-5	231-791-2
Ploy( dimethyldiallyammonium chloride-co-acrylamide)	26590-05-6	----

## SECTION 3: HAZARD IDENTIFICATION

No particular danger

## SECTION 4: FIRST AID MEASURES

### 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 : None needed.  
Ingestion : None needed for small amounts. For large amounts, if conscious, give water or milk to drink, induce vomiting, and call physician.

## SECTION 5: FIRE FIGHTING MEASURES

Flash Point (Closed Cup) : 238 °C  
Flammable Limits LEL/UEL % : N/A  
Extinguishing Media : Dry Chemical, Foam, CO2, water spray  
Special Fire Fighting Procedures : Self-contained breathing apparatus and protective clothing.  
Unusual Fire And Explosion Hazards : Foam or water can cause frothing.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions : Eye contact and excessive skin 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. 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		ACGIH	
	TWA	PEL	TWA	TLV
Iron Oxide		15mg/m <sup>3</sup>		10mg/m <sup>3</sup>

## BG60GRQ

### 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) : > 207	Percent Volatile By Vol. (%) : 30
Freezing Point (°C) : < -10	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 : N/A
Bulk Density (g/cbi.) : N/A	Appearance & Odor : Viscous Red Fluid, Slight Odor
Specific Gravity (H <sub>2</sub> O=1) : 1.70 - 1.90	

### SECTION 10: STABILITY AND REACTIVITY

Stable : Yes  
 Hazardous Polymerization : Will not occur  
 Conditions To Avoid : Open flames and sparks, extreme heat, strong oxidizing agents, dehydrating agents.  
 Incompatibility : Oxidizing materials, strong acids, dehydrating agents, hydrogen peroxide can cause a reaction.  
 Hazardous Decomposition Products : CO, butadiene

### SECTION 11: TOXICOLOGICAL INFORMATION

#### Butylene Glycol

Skin Irritation : Essentially non-irritating, non-toxic to animals by absorption  
 Eye Irritation : Essentially non-irritating  
 Ingestion (rat) : LD<sub>50</sub> > 23,000 mg/kg  
 Sensitization : No data

#### Iron Oxide

Skin Irritation (rabbit) : No data  
 Primary Eye Irritation : Mild-irritant; Average Draize score = 0.00(rabbit)  
 Acute Oral Toxicity (rat) : Non-toxic, LD<sub>50</sub> > 15 g/kg (rat)  
 Sensitization : Non-toxic

#### Poly(dimethyldiallylammoniumchloride-co-acrylamide)

Skin Irritation : Skin irritation index ( rabbit)=0.01/8  
 Acute Dermal LD<sub>50</sub> : > 21.5g/kg (rabbits)  
 Primary Eye Irritation : No data  
 Acute Oral Toxicity : Non-toxic, LD<sub>50</sub> > 39.8 g/kg (rat)  
 Sensitization : No data

### 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

Not regulated as hazardous material.

BG60GRQ

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**SECTION 15: REGULATORY INFORMATION**

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Label Name : **BG60GRQ**

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**SECTION 16: OTHER INFORMATION**

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Date Prepared : 6/21/2001

**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.