

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 : **Cellulobeads [D-50, D-100, D-200, D-300]**
Chemical Name/ Synonyms : Cellulose
INCI Name : Cellulose

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS #	EINECS #
Cellulose	9004-34-6	232-674-9

SECTION 3: HAZARD IDENTIFICATION

No particular danger

SECTION 4: FIRST AID MEASURES

Effects and Symptoms:

Effects of Overexposure : 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, 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 water.
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 and call physician. Do not induce vomiting.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point (Closed Cup) : >380°F
Flammable Limits LEL/UEL % : N/A
Extinguishing Media : Water, Dry Chemical, Foam, CO₂
Special Fire Fighting Procedures : Self-contained breathing apparatus and protective clothing.
Unusual Fire And Explosion Hazards : Prevent the accumulation of air borne dust/dust cloud. The potential of a dust cloud explosion exists.

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.

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 away for all possible combustion.

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SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

Exposure Levels:	OSHA	ACGIH
	<u>TWA</u> <u>PEL</u>	<u>TWA</u> <u>TLV</u>
	5mg/m ³ (respirable) 15mg/m ³ (total)	10mg/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. (%) : 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/L) : N/A	Appearance & Odor : White to yellowish white globular powder
Specific Gravity (H ₂ O) : N/A	
pH : 5.0-7.5	

SECTION 10: STABILITY AND REACTIVITY

- Stable : Stable under all conditions
- Hazardous Polymerization : Will not occur
- Conditions To Avoid : No information
- Incompatibility : No information
- Hazardous Decomposition Products : No information

SECTION 11: TOXICOLOGICAL INFORMATION

- Acute Inhalation Effects : 4Hour LC₅₀>5mg/l (rats)
- Eye Effects : Not Available
- Skin Effects : Dermal LD₅₀>2000mg/kg (rabbits)
- Acute Oral Effects : Oral LD₅₀>5000mg/kg (rats)
- Subchronic Effects : Not Available
- Chronic/Carcinogenicity : Not Available
- Mutagenicity : Not Available

SECTION 12: ECOLOGICAL INFORMATION

- Acute Fish Toxicity (Rainbow Trout) : 96hrs LC₅₀>100% (saturated solution)
- Other Information : Not 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

- Never drop container while transporting. Take care to avoid breaking the packages.
- To ventilate and avoid getting wet.

SECTION 15: REGULATORY INFORMATION

- Ensure this material in compliance with federal requirements and ensure conformity to local regulations.

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SECTION 16: OTHER INFORMATION

Date Prepared : February 27, 2002
Date Revised : January 10, 2003
Last Revised : July 14, 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.