

FS&D

Fiber Sales & Development Corp.

A subsidiary of Protein Technologies International

MATERIAL SAFETY DATA SHEET

May be used to comply with OSHA's Hazard
Communication Standard, 29 CFR 1910.1200.

IDENTITY (As Used on Label):KEYCEL[®] POWDERED CELLULOSESOLKA FLOC[®] POWDERED CELLULOSE**DESCRIPTION:**

POWDERED CELLULOSE

CAS #: 9004-34-6

SECTION I**Manufacturer's Name**

FIBER SALES AND DEVELOPMENT CORPORATION

Emergency Telephone Number

937-652-2101

Address1228 Muzzy Road
Urbana, OH 43078**Telephone Number for Information**

314-982-1178 or 314-982-2185

Date Prepared

January 1, 1998

SECTION II -- HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components (Specific Chemical Identity; Common Names(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (Optional)
Total Dust	15 mg/m ³	10 mg/m ³	---	N/A
Respirable	5 mg/m ³	---	---	

SECTION III -- PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	N/A	Density (g/cc)	1.27-1.61
Vapor Pressure (mm Hg.)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water	Insoluble in water.		
Appearance and Odor	Color: White	Odor: None	

Makers of

**Headquarters**Checkerboard Square • St. Louis, MO 63164
Phone: 800-325-7108**Sales Office**P.O. Box 885 • Green Brook, NJ 08812-0885
Phone: 908-968-5024 • Fax: 908-968-5117
Customer Service: 800-258-0351

SECTION IV -- FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Flammable Limits	LEL	UEL
N/A	N/A	N/A	N/A
Minimum Ignition Energy Cloud (joules):	-	0.20	
Minimum Conc. for Explosion (oz./cu.ft.):	-	0.080	
Minimum Ignition Temperature Layer (degrees C.):	-	240	

Extinguishing Media

Water, Carbon-dioxide, dry chemical or foam

Special Fire Fighting Procedures

In the event of a fire, wear full protective clothing and NIOSH Approved Self-Contained Breathing Apparatus.

Unusual Fire and Explosion Hazards

None

SECTION V -- REACTIVITY DATA

Stability	Stable	Unstable
	x	

Conditions to Avoid	None
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Incompatibility (Materials to Avoid):	None
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Hazardous Decomposition or Byproducts	
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None Known

Hazardous	May Occur	Conditions to Avoid	None
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Polymerization

Will Not Occur

X

SECTION VI -- HEALTH HAZARD INFORMATION

Route(s) of Entry:	Inhalation? Yes	Skin? Yes	Ingestion? Yes
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Health Hazards (Acute and Chronic)

Exposure to high concentrations of dust may result in upper respiratory tract (nose and throat) irritation. An allergic reaction may occur in some persons due to inhalation of or contact with these products. PEL (OSHA Permissible Exposure Limit): For nuisance dust.

15 mg/m³ for total dust and 5 mg/m³ for respirable dust.

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
None	None	None	No

Page 3

Signs and Symptoms of Exposure
Refer to health hazards listed above.

Medical Conditions

Generally Aggravated by Exposure
None known under proper usage conditions.

Emergency and First Aid Procedures

Eyes/Skin: Flush with water. **Inhalation:** If breathing difficulty occurs, remove to fresh air and call physician.

SECTION VII -- PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material Is Released or Spilled
May be cleaned up with broom and shovel.

Waste Disposal Method

Dispose of in accordance with local, state and federal regulations.

Precautions to Be Taken in Handling and Storing

Product should be stored on pallets without contact to walls, ceiling or floor. Storage areas should be well ventilated and free of strong and objectionable odors.

Other Precautions

Avoid open flames and spark sources.

SECTION VIII -- CONTROL MEASURES

Respiratory Protection (Specify Type) If dust levels exceed 15 mg/m³, a NIOSH approved dust mask is recommended.

Ventilation

Adequate to handle dust indigenous to operations.

Local Exhaust

If dusting occurs

Mechanical (General)

Not normally required

Special

N/A

Other

N/A

Protective Gloves

Not normally required

Eye Protection

Recommended. Wearing contact lenses is not recommended in a dusty environment.

Other Protective Clothing or Equipment

None normally required

Work/Hygienic Practices

Use good personal hygiene practices as necessary for food products.

MARKETED BY

**HARWICK STANDARD
DISTRIBUTION CORPORATION**
60 S. Seiberling Street - Akron, Ohio 44305