



## Letter of Acknowledgement

## Title: Safety Data Sheet- J. Rettenmaier USA KeyCel® Powdered Cellulose

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Approved By: Peterson, Cathy

Version 2  
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### Section 1- Identification-

#### KeyCel® Powdered Cellulose

Description: Cellulose from the fibrous parts plants  
Applicable to: KeyCel® Powdered Cellulose KC200CT  
Supplier: J. Rettenmaier USA Schoolcraft, MI 49087  
Phone: 269-679-2340  
Recommended Use: Professional use as a food grade ingredient  
Restrictions on Use: None

### Section 2- Hazard(s) Identification

GHS Pictogram: N/A

WARNING: May form combustible dust concentrations in the air.

Cellulosic fibers are considered a nuisance dust. Material is combustible but will not readily ignite.

HMIS Rating: Health- 0; Reactivity- 0; Flammability- 1; Personal Protection- E

NFPA Rating: Health- 0; Flammability- 1; Reactivity- 0; Special- None

The material does not require registration in accordance with REACH, Annex IV and V.

### Section 3- Composition/Information on Ingredients

Dietary fiber made from the fibrous parts plants

CAS Number: 9004-34-6

EC- Number (EINECS/ELINCS): Does Not Apply

Dangerous Ingredients: None

### Section 4- First Aid Measures

General:

When symptoms persist or if in doubt, seek immediate professional medical advice. Chronic exposure may lead to dermatitis or respiratory sensitization.

Following Inhalation:

May irritate respiratory system. Persons with respiratory problems should avoid breathing dust. Use NIOSH approved respiratory mask for nuisance dust. For overexposure- remove to fresh air

Skin contact:

For broken or sensitive skin wear protective gloves. Wash dust from skin with soap and water.



Eye Contact:	May irritate eyes. Wear protective glasses or goggles. Carefully and thoroughly flush from eyes with eye bath or water.
Ingestion:	First aid measures normally not required for incidental ingestion. Ingestion of larger amounts or material may result in vomiting or diarrhea. Treat symptomatically.
Self-protection for first responders:	None

### Section 5- Fire Fighting Measures

Suitable Extinguishing Techniques:	Apply water, foam, CO <sub>2</sub> , Dry chemical powder
Special Firefighting Procedures:	Wear self contained breathing apparatus
Chemical Hazards From Fire:	Thermal decomposition may produce CO and CO <sub>2</sub> . Hazardous polymerization will not occur.

### Section 6- Accidental Release Measures

Emergency Procedures:	None
Protective Equipment:	Skin, eye, ingestions controls (Section 4)
Method of Clean-Up:	Collect mechanically avoiding excessive dust generation. Sweeping should be avoided to prevent the formation of dust clouds and static electricity discharge (ignition source).
Disposal:	Dispose of in solid waste landfill in accordance with all applicable federal, state and local regulations.

### Section 7- Handling & Storage

Handling:	Material is combustible. In case of open handling, use devices with built-in aspiration where possible.
Measures to Prevent Dust Accumulation:	Explosive dust/air mixtures may form. Provide sufficient ventilation. Provide local aspiration where dust is likely to occur. Accumulated dust should be immediately vacuumed.
Storage:	Material is combustible. Do not store near heat or open flame. Store in original packaging. Keep dry. Material is stable for two years when stored under these conditions.

### Section 8- Exposure Controls



NIOSH REL:

OSHA PEL:

Engineering Controls

Respiratory Protection:

Eye Protection:

Hand / Skin Protection:

TWA 10 mg/m<sup>3</sup> (Total) TWA 5 mg/m<sup>3</sup> (resp)

TWA 15 mg/m<sup>3</sup> (Total) TWA 5 mg/m<sup>3</sup> (resp)

Adequate ventilation and local aspiration

NIOSH approved respiratory mask for nuisance dust

Protective glasses or goggles

No special hand protection required. Barrier gloves  
or protective clothing should be used to minimize  
contact with sensitive skin.

### Section 9- Physical and Chemical Properties

Physical State:

Color:

Odor:

Thermal Decomposition:

Auto-Ignition:

pH:

Melting point/melting range:

Boiling point / boiling range:

Flash Point:

Flammability:

Explosion Hazard:

Lower Explosion Limit:

Upper Explosion Limit:

Oxidizing Characteristics:

Vapor Pressure:

Vapor Density:

Density:

Solubility in Water:

Solubility in Oil:

Solid- Fibrous Powder

White

Neutral

Approximately 200°C

Approximately 500°C

Neutral to slightly acidic (5.0 – 7.5)

Does Not Apply

Does Not Apply

Undetermined

Combustible but will not readily ignite

Explosive dust/air mixtures can form

Approximately 30 g/m<sup>3</sup>

Undetermined

Non-oxidizing

Does Not Apply

Does Not Apply

100-500 grams/Liter

Insoluble in water

Insoluble in oil

### Section 10- Stability and Reactivity

Conditions to Avoid:

Materials to Avoid:

Hazardous Decomposition Products:

Exposure to temperatures near or above 200°C

Exposure to open flames

None

Thermal decomposition may produce CO and CO<sub>2</sub>

### Section 11- Toxicological Information

Acute Toxicity:

No acute toxicity



Chronic Exposure:

Specific Symptoms in Lab Animals:

Routes of Exposure / Symptoms:

Cancer, Mutagenicity, Reproductive Toxicity:

May lead to dermatitis or respiratory sensitization.

Does Not Apply

Skin- may irritate sensitive skin

Eyes- may irritate eyes

Respiratory- may irritate respiratory system

Not listed as a carcinogen. No current National Toxicology Program, IARC or OSHA involvement currently recorded.

Not listed on the State of California Proposition 65 list of chemicals known to the State to cause cancer or reproductive toxicity.

## Section 12- Ecological Information

Physical/Chemical Elimination

Biodegradation:

PBT, vPvBT Assessment:

Harmful Effects:

Material is insoluble in water. Remove from water mechanically.

Material will not biodegrade under conditions of typical current wastewater treatment technology.

Material does not meet the criteria for classification as Persistent Bioaccumulative Toxic Chemical (PBT) or very Persistent very Bioaccumulative Toxic Chemical (vPvBT) under REACH regulations.

No known harmful effects. Negative ecological effects are not expected.

## Section 13- Disposal Considerations

Appropriate Disposal:

Dispose of in solid waste landfill in accordance with all applicable federal, state and local regulations.

## Section 14- Transport Information

All Transports:

No limitations, special markings not required

## Section 15- Regulatory (USA)

SARA Title III

Section 311 Hazard Categories (40CFR 370)- None  
Material does not contain any toxic chemical subject to reporting under the requirements of Section 313- Reportable Ingredients

Toxic Substances Control Act (TSCA)

Cellulose 9004-34-6 is on TSCA List as an existing

**J. RETTENMAIER USA LP**



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by Nature**

**A Member of the JRS Group**

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chemical in US commerce. It is not subject to TSCA  
Pre-Market Notification requirements. There are no  
limitations on manufacture or use.

Canada Domestic Substance List (DSL)

Cellulose (CAS 9004-34-6) appears on the Canada  
Environmental Protection Agency Domestic Substance  
List (DSL).

State of California Proposition 65:

Not on the list of chemicals known to the  
State to cause cancer or reproductive toxicity.

**Section 16- Other Information**

Document Information:

Refer to document header