

# Material Safety Data Sheet

White Kayocels

MSDS No. 16009.3

Date of Preparation: 7/28/05

Revision: 6/3/09

## Section 1 - Chemical Product and Company Identification

**Product:** White Kayocels

**Manufacturer:** Marshall Additive Technologies

Division of The R. J. Marshall Company

26776 W. 12 Mile Road

Southfield, MI 48034-7807

Phone: (248) 353-4100, Fax: (248) 948-6460

**Emergency Phone:** (800) 424-9300

**Date Revised:** 6/3/09

**Preparer:** Stephanie Nichols

## Section 2 - Composition / Information on Ingredients

Ingredient Name	CAS Number
Cellulose Fibers	65996-61-4
Calcium Carbonate	1317-65-3
Crystalline Silica	14808-60-7

**Trace Impurities:**

Ingredient	OSHA PEL		ACGIH TLV	
	TWA	STEL	TWA	STEL
Cellulose Fibers	none estab.	none estab.	10mg/m <sup>3</sup>	none estab.
Calcium Carbonate	15mg/m <sup>3</sup>	none estab.	10mg/m <sup>3</sup>	none estab.
Crystalline Silica	10 mg/m <sup>3</sup>	none estab.	0.025 mg/m <sup>3</sup> respirable dust	none estab.

## Section 3 - Hazards Identification

### ☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

### Potential Health Effects

**Primary Entry Routes:** Inhalation, Eyes, Skin

**Acute Effects**

**Inhalation:** May cause respiratory irritation and labored breathing.

**Eye:** May cause redness, itching, and watery eyes.

**Skin:** May cause redness and/or itching.

**Ingestion:** May cause gastric discomfort, constipation.

**Carcinogenicity:** IARC has listed crystalline silica (quartz) as a human carcinogen.

**Chronic Effects:** This product contains crystalline silica (quartz) as an impurity. Prolonged exposure to respirable crystalline silica dust concentrations exceeding occupational exposure limits may increase the risk of developing a disabling lung disease called silicosis.

**Medical Conditions Aggravated by Long-Term Exposure:** Nuisance dust may aggravate respiratory conditions and hypersensitive skin.

## Section 4 - First Aid Measures

**Inhalation:** Remove to fresh air. If symptoms persist, seek medical advice.

**Eye Contact:** Flush eyes with water. If symptoms persist, seek medical advice.

**Skin Contact:** Wash skin thoroughly with soap and water.

**Ingestion:** Seek medical advice.

*After first aid, get appropriate in-plant, paramedic, or community medical support.*

**Special Precautions/Procedures:** n/a

## Section 5 - Fire-Fighting Measures

**Flash Point:** Same as paper

**Flash Point Method:** n/a

**Flammable limit:** Same as paper

**Extinguishing Media:** Water

**Unusual Fire or Explosion Hazards:** Fine dusts with oxygen can be explosive. Keep away from open flame. Will burn when exposed to open flame or spark, or exposed to strong oxidizing agents.

**Hazardous Combustion Products:** CO, CO2  
**Special fire fighting procedures:** None.

### Section 6 - Accidental Release Measures

**Spill /Leak Procedures:** Sweep up or vacuum and place in appropriate disposal container. Dispose of at an approved landfill or reuse.

**Regulatory Requirements:** Follow applicable OSHA regulations (29 CFR 1910.120).

### Section 7 - Handling and Storage

**Handling Precautions:** None.

**Storage Requirements:** Store in dry location. Keep away from open flame and strong oxidizing agents. Use normal precautions associated with combustible materials while storing.

### Section 8 - Exposure Controls / Personal Protection

**Engineering Controls:**

**Ventilation:** Normal ventilation.

**Administrative Controls:**

**Respiratory Protection:** NIOSH approved dust mask for nuisance dust.

**Protective Clothing/Equipment:** Eye protection is not required. Goggles are recommended.

### Section 9 - Physical and Chemical Properties

**Physical State:** solid

**Appearance and Odor:** white fibrous odorless material

**Odor Threshold:** n/e

**Vapor Pressure:** n/e

**Vapor Density (Air=1):** n/a

**Formula Weight:** n/a

**Density:** n/a

**Specific Gravity (H<sub>2</sub>O=1, at 4 °C):** variable

**pH:** n/e

**Water Solubility:** minimal

**Other Solubilities:** n/a

**Boiling Point:** n/a

**Freezing/Melting Point:** n/e

**Viscosity:** n/a

**Refractive Index:** n/a

**Surface Tension:** n/a

**% Volatile:** n/e

**Evaporation Rate:** n/e

### Section 10 - Stability and Reactivity

**Stability:** This product is stable at room temperature in closed containers under normal storage and handling conditions.

**Polymerization:** None anticipated under normal or recommended handling and storage conditions.

**Chemical Incompatibilities:** Strong oxidizing agents.

**Conditions to Avoid:** Open flame, spark, strong oxidizing agents.

**Hazardous Decomposition Products:** CO, CO2

### Section 11- Toxicological Information

#### Toxicity Data:\*

Not available.

### Section 12 - Ecological Information

Not available.

### Section 13 - Disposal Considerations

**Disposal:** No special requirements. Landfill.

### Section 14 - Transport Information

**DOT Transportation Data (49 CFR 172.101):** None.

### Section 15 - Regulatory Information

**EPA Regulations:**

RCRA Hazardous Waste Number: Not listed (40 CFR 261.33)

RCRA Hazardous Waste Classification: Not classified  
 CERCLA Hazardous Substance (40 CFR 302.4) Not listed  
 SARA Toxic Chemical (40 CFR 372.65): Not listed  
 SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed

**OSHA Regulations:**

Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A): Not listed

**TSCA**

This substance or all of its components are on the Chemical Substances Inventory of the Toxic Substance Control Act (TSCA Inventory [USA]). Please note that this product is not subject to any legal reporting requirements under these acts.

**Section 16 - Other Information**

**Prepared By:** Stephanie Nichols

**Revision Notes:** updated section 2

**Product Grades Available from the R. J. Marshall Company** (this list may be incomplete):

1W180			
1W100	2W100	6W100	16W100
1W90	2W90	6W90	16W90
1W50	2W50	6W50	16W50

**Disclaimer:** Information contained herein is presented in good faith and is based on data believed to be accurate. However no warranty is expressed or implied regarding this information or the results obtained from the use of this Material Safety Data Sheet, whether it originates with the R. J. Marshall Company or others. This Material Safety Data Sheet relates only to the specific material designated herein. It does not relate to use with other material or processes. This information is supplied with the condition that the user will make appropriate determination as to its suitability for their purpose prior to using it.