

Safety Data Sheet

White Kayocels

MSDS No. 16009.5

Date of Preparation: 7/28/05

Revision: 4/17/20

Section 1 - Chemical Product and Company Identification

Product Identifier: White Kayocels

Other means of identification: None

Recommended use: Filler

Restrictions on use: n/a

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: 4/17/20

Preparer: Stephanie Nichols

Section 2 – Hazards Identification

Signal Word: None

Symbol: None

Hazard Statements: None

Precautionary Statements: None

Hazards not otherwise classified: Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

Section 3 – Composition/Information on Ingredients

Ingredient Name	CAS Number	Percentage (%)
Cellulose Fibers	9004-34-6	100% max
Calcium Carbonate	1317-65-3	60% max
Magnesium Carbonate	546-93-0	10% max
Silica, amorphous	7631-86-9	<1%

Section 4 - First Aid Measures

Description of necessary 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

Suitable Extinguishing Media: Water in spray jet, CO₂

Specific Hazards Arising from the Chemical:

Unusual Fire or Explosion Hazards: Fine dust with oxygen can be explosive. Keep away from open flame.

Hazardous Combustion Products: CO, CO₂

Special protective equipment and precautions for fire-fighters: In the event of a fire, wear a self-contained breathing apparatus and a chemical protective suit.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures: Dust deposits should not be allowed to accumulate on surfaces, as they may form an explosive mixture if they are released into the atmosphere in sufficient concentration.

Methods and materials for containment and cleaning up: Sweep up or vacuum and place in an appropriate disposal container. Avoid dispersal of dust in the air (i.e. clearing dust surfaces with compressed air).

Section 7 - Handling and Storage

Precautions for Safe Handling: Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dust does not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.

Conditions for Safe Storage: Store in a 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

Ingredient	OSHA PEL		ACGIH TLV	
	TWA	STEL	TWA	STEL
Cellulose Fibers	15mg/m ³ total 15mg/m ³ respirable	None established	10mg/m ³	None established
Calcium Carbonate	15mg/m ³ total 15mg/m ³ respirable	None established	None established	None established

Engineering Controls:

Ventilation: It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in the handling of this product contain explosion relief vents, an explosion suppression system, or an oxygen-deficient environment.

Ensure that the dust-handling systems are designed in a manner to prevent the escape of dust into the work area. Use only appropriately classified electrical equipment and powered industrial trucks.

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

pH: n/e

Freezing/Melting Point: n/e

Boiling Point: n/a

Flash Point: Same as paper

Flash Point Method: n/a

Evaporation Rate: n/e

Flammability: Same as paper

Upper/Lower flammability or explosive limits:

Pmax: 8 bar

Kst: 105 bar m/s

Vapor Pressure: n/e

Vapor Density (Air=1): n/a

Relative Density: n/a

Water Solubility: minimal

Other Solubilities: n/a

Partition coefficient: n-octanol/water: n/a

Auto-ignition temperature: 233°C (451°F)

Decomposition temperature: n/a

Viscosity: n/a

Specific Gravity (H₂O=1, at 4 °C): variable

Section 10 - Stability and Reactivity

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

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

Possibility of Hazardous Reactions: None anticipated under normal or recommended handling and storage conditions.

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

Incompatible materials: Strong acids, strong bases, and strong oxidizers.

Hazardous Decomposition Products: CO, CO₂

Section 11- Toxicological Information

Information on the likely routes of exposure:

Primary Entry Routes: Inhalation, Eyes, Skin

Inhalation: May cause respiratory irritation.

Eye: May cause eye irritation.

Skin: May cause skin irritation.

Ingestion: May cause gastric discomfort, constipation.

Acute Toxicity: not classified

Skin corrosion/irritation: not classified

Serious eye damage/irritation: not classified

Respiratory or skin sensitization: not classified

Germ cell mutagenicity: not classified

Carcinogenicity: This product is not listed as a carcinogen by NTP, IARC, or OSHA.

Reproduction toxicity: not classified

STOT-single exposure: not classified

STOT-repeated exposure: not classified

Aspiration hazard: not classified

Delayed and immediate effects and chronic effects from short- and long-term exposure: None expected under normal conditions of use.

Section 12 - Ecological Information

Ecotoxicity: Biodegradable

Persistence and Degradability: Not applicable

Bioaccumulative Potential: Not applicable

Mobility in Soil: Not applicable

Other adverse effects: Do not release to the environment

Section 13 - Disposal Considerations

Disposal: No special requirements. Landfill.

Section 14 - Transport Information

DOT Transportation Data (49 CFR 172.101): Not regulated as hazardous for transport.

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.

International Regulations:

Australia AICS Listed	Canada DSL Listed	China IECSC Listed	Europe EINECS Listed
Japan ENCS Listed	Korea ECL Listed	New Zealand NZIoC Listed	Taiwan NECI Listed

Section 16 - Other Information

Prepared By: Stephanie Nichols

Revision Notes: updated throughout

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

1W180				
1W100	2W100	6W100	16W100	20W100
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 Safety Data Sheet, whether it originates with The R. J. Marshall Company or others. This Safety Data Sheet relates only to the specific material designated herein. It does not relate to use with other materials or processes. This information is supplied with the condition that the user will make an appropriate determination as to its suitability for their purpose before using it.