

Safety Data Sheet

KA650 & KA1650

SDS No. 16048.3

Date of Preparation: 10/9/15

Revision: 11/8/23

Section 1 - Chemical Product and Company Identification

Product: Kayocels KA650 and KA1650

Recommended use: As an additive to enhance performance and act as a filler for building materials, glues and epoxies, paints, and friction materials.

Restrictions on use: None known.

Manufacturer: Marshall Additive Technologies

Division of the R. J. Marshall Company

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Preparer: Stephanie Nichols

Section 2 - Hazards Identification

Classification of the chemical: Combustible dust.

Signal word: Warning

Symbol: None

Hazard Statement: May form combustible dust concentrations in the air (during processing).

Precautionary Statements: None

Hazards not otherwise classified: None.

Section 3 - Composition / Information on Ingredients

Chemical Name	Common Name	CAS Number	% Weight
Cellulose	Cellulose	9004-34-6	50%
Limestone	Limestone	1317-65-3	50%

Limestone may contain trace amounts of quartz. The silica dust exposure would be below the NIOSH recommended threshold with normal use.

Impurities and stabilizing additives which are themselves classified and which contribute to the classification of the substance: None

Section 4 - First Aid Measures

Description of necessary measures:

Inhalation: No acute hazards known. Remove to fresh air.

Eye Contact: Flush eyes with large amounts of water. No acute hazards are known.

Skin Contact: No acute hazards known.

Ingestion: No acute hazards known.

Most important symptoms/effects, acute and delayed: None known.

Indications of immediate medical attention and special treatment needed, if necessary: None known.

Section 5 - Fire-Fighting Measures

Suitable extinguishing media: Water in spray jet, CO₂

Unsuitable extinguishing media: None known.

Specific hazard arising from the chemical: Avoid generating dust. Fine dust dispersed in air in sufficient concentrations and in the presence of an ignition source is a potential dust explosion hazard.

Hazardous Combustion Products: None known.

Special fire-fighting procedures: None.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures: Do not allow dust to accumulate on surfaces as it may form an explosive mixture if released into the atmosphere in sufficient concentrations.

Methods and materials for containment and cleaning up: Avoid dispersal of dust in the air (i.e. do not use compressed air to clean surfaces). Sweep up or vacuum and place in appropriate disposal containers. Dispose of at an approved landfill or reuse.

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.

Storage Requirements: Store in a dry location. Keep away from open flame. Use normal precautions associated with combustible materials while storing.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls:

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

Ingredient	OSHA PEL		ACGIH TLV	
	TWA	STEL	TWA	STEL
Cellulose Fibers	15mg/m ³ total, 5mg/m ³ respirable	none estab.	10mg/m ³	none estab.

Section 9 - Physical and Chemical Properties

Appearance: gray fibrous material

Odor: odorless

Odor Threshold: n/e

pH: 7.0

Freezing/Melting Point: not applicable

Boiling Point: not applicable

Flash Point: not applicable

Evaporation Rate: not applicable

Flammability: Char point: 180°C (356°F); Ignition Temp: 230°C (446°F)

Upper/lower flammability or explosive limits: no data available

Vapor Pressure: not applicable

Vapor Density (Air=1): not applicable

Relative Density: 0.5

Water Solubility: insoluble

Other Solubilities: not available

Partition coefficient: n-octanol/water; not applicable

Auto-ignition temperature: not applicable

Decomposition temperature: not applicable

Viscosity: not applicable

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 known.

Conditions to Avoid: None known.

Incompatible materials: None known.

Hazardous Decomposition Products: None known.

Section 11- Toxicological Information

Information on the likely routes of exposure

Inhalation: None known.

Eye: Possible transient irritation to eyes with very high contact.

Ingestion: None known.

Carcinogenicity: NTP, IARC, or OSHA does not consider this product carcinogenic.

Section 12 - Ecological Information

Eco-toxicity: No known ecological effects.

Persistence and degradability: Bio-degradable.

Bio-accumulative potential: None known.

Mobility in soil: None known.

Section 13 - Disposal Considerations

Disposal: No special requirements. Landfill.

Section 14 - Transport Information

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

UN Number: not applicable

UN proper shipping name: not applicable

Transport hazard class: not applicable

Packing group: not applicable

Environmental hazards: not applicable

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): not applicable

Special precautions: Not applicable

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

California Prop65: 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

Canada WHMIS: Uncontrolled product

China IECSC: Listed

Europe EINECS: 9004-34-6 classified as non-hazardous

Japan ENCS: Listed

Korea ECL: Listed

New Zealand NZIoC: Listed

Taiwan NECI: Listed

Section 16 - Other Information

Prepared By: Stephanie Nichols

Revision Notes:

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

KA650	KA1650
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