

# SAFETY DATA SHEET

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Printed: 10/28/2016

Revision: 10/17/2016

Supersedes Revision: 10/04/2013

according to Regulation (EC) No. 1907/2006 as amended by (EC) No. 1272/2008

## SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE

**1.1 Product Code:** KEVLAR Friction Pad  
**Product Name:** KEV+ (H313)

**1.2 Relevant identified uses of the substance or mixture and uses advised against:**

**Relevant identified uses:** Brake/Clutch Lining

**1.3 Details of the Supplier of the Safety Data Sheet:**

**Company Name:** The Montalvo Corporation  
50 Hutcherson Drive USA  
Gorham, Me. 04038

**Phone Number:**+1  
(800) 226-8710

**1.4 Emergency telephone number:**

**Emergency Contact:** +1 (800) 226-8710

## SECTION 2. HAZARDS IDENTIFICATION

**2.1 Classification of the Substance or Mixture:**

**2.2 Label Elements:**

**GHS Signal Word:** None

**GHS Hazard Phrases:**

No phrases apply.

**GHS Precaution Phrases:**

No phrases apply.

**GHS Response Phrases:**

No phrases apply.

**GHS Storage and Disposal Phrases:**

No phrases apply.

**2.3 Adverse Human Health** No hazard expected in normal industrial use.

**Effects and Symptoms:**

**2.3.1 Inhalation:** None with product as supplied. Effects of dust particles created by machining, grinding, riveting or through vibration in shipping: Airborne concentrations of dusts or mists may cause irritation to the upper respiratory tract and lungs. Respirable crystalline silica is an IARC and NTP probable carcinogen based on animal studies.

**2.3.2 Skin Contact:** Handling this material with bare hands can cause abrasions.

**2.3.3 Eye Contact:** None with product as supplied. Effects of dust particles created by machining, grinding, riveting or through vibration in shipping: It is possible for small fragments of this material or the work piece to be propelled from the work area and strike the eye. Airborne concentrations of dusts or mists may cause irritation to the eyes.

**2.3.4 Ingestion:** Not a likely route of exposure. May be harmful if swallowed.

**Additional Hazards Information** As manufactured, all of the ingredients in this product have become part of a bound system through pressing, curing and processing the product into the configuration required for the particular application. This product as supplied is regulated as an article and is not classified as hazardous under GHS.

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## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)/ REACH Registration No.	Concentration	EC No./ EC Index No.	GHS Classification
9003-35-4	Phenol-Formaldehyde Resin	>=1.00 %	500-005-2 NA	No data available.
26125-61-1	Kevlar fibers	>=1.00 %	NA NA	No data available.

**Additional Composition Information:** This product composition information is provided in the unlikely event that a dust is generated during the use of this product. In the material as supplied, these components are not readily available to create a respiration hazard.

## SECTION 4. FIRST AID MEASURES

**4.1 Description of First Aid:** None that are directly attributable to normal use of this material.

**Measures:**

**In Case of Inhalation:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**In Case of Skin Contact:** Wash off with soap and plenty of water. Get medical aid if irritation develops and persists.

**In Case of Eye Contact:** Flush eyes with water as a precaution. If eye irritation persists, get medical advice/attention.

**In Case of Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**Note for the Doctor:** Treat symptomatically and supportively. Show this safety data sheet to the doctor in attendance.

## SECTION 5. FIRE FIGHTING MEASURES

**5.1 Suitable Extinguishing Media:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water fog, dry chemical, carbon dioxide, or regular foam.

**5.2 Flammable Properties and Hazards:** None known.

**Hazardous Combustion Products:** None known.

**Flash Pt:**

> 600 C (1110 F) Method Used: Estimate

**Explosive Limits:**

LEL: No data. UEL: No data.

**Autoignition Pt:**

NA

**5.3 Fire Fighting Instructions:** The product itself does not burn. As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH approved (or equivalent), and full protective gear.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

- 6.1 Protective Precautions,** Use proper personal protective equipment as indicated in Section 8.  
**Protective Equipment and Emergency Procedures:**
- 6.2 Environmental Precautions:** No data available.
- 6.3 Methods and Material For Containment and Cleaning Up:** Avoid dust formation. Avoid breathing dust. As manufactured all products are bound. Vibration in shipping may create small quantities of dust or fibers which should not be inhaled. Machining, grinding or riveting will also create dust particles which should be vacuumed or made wet prior to removal. Immediately repair broken bags containing dust or broken pieces of old product. Use respirator if airborne dust is present. Do not sweep dust. Use appropriate vacuum equipment. If mopping is necessary, use water or dust suppressant to keep below TLVs.

## SECTION 7. HANDLING AND STORAGE

- 7.1 Precautions To Be Taken in Handling:** Avoid contact with eyes. Avoid formation of dust and aerosols. Do not ingest or inhale. Provide appropriate exhaust ventilation at places where dust is formed. Use every precaution to keep airborne dusts to a minimum. Do not use compressed air to remove dust. Remove dust with vacuum equipment fitted with HEPA filter. Do not wash dust-laden clothing with other items. Wash hands thoroughly after handling.
- 7.2 Precautions To Be Taken in Storing:** Store in a dry place. Store in well-ventilated place.
- Other Precautions:** Keep out of reach of children. Handle in accordance with good industrial hygiene and safety practices.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Exposure Parameters:

CAS #	Chemical Name	Jurisdiction	Recommended Exposure Limits	Notations
26125-61-1	Kevlar fibers	Québec, CA	TWA: 1 fibers/cm <sup>3</sup>	

**Recommended Exposure Limits:** Overall inert or nuisance mineral dusts should be maintained below 15 mg/m<sup>3</sup> in total and below 5 mg/m<sup>3</sup> as the respirable fraction (OSHA 1910.1000 Table A-3).

### 8.2 Exposure Controls:

- 8.2.1 Engineering Controls (Ventilation etc.):** Use local exhaust ventilation or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. Do not use compressed air to remove dust. Remove dust with vacuum equipment fitted with HEPA filter. Facilities storing or utilizing this material should be equipped with an eyewash facility.

### 8.2.2 Personal protection equipment:

**Eye Protection:** Safety glasses. Wear chemical splash goggles where there is potential for eye contact. Eye protection must be provided in accordance with OSHA 29 CFR 1910.133. Eye protection worn must be compatible with respiratory protection system employed.

**Protective Gloves:** Handle with gloves. If irritation of skin occurs or product is abrasive, gloves should be worn.

**Other Protective Clothing:** Not required under normal use conditions.

**Respiratory Equipment (Specify Type):** Use a NIOSH/MSHA approved respirator where dust may be generated. Respiratory protection must be provided in accordance with OSHA 29 CFR 1910.134.

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**Work/Hygienic/Maintenance Practices:** Handle in accordance with good industrial hygiene and safety practice. Do not breathe dust/mist/spray. Wash hands thoroughly after handling. Wash hands before breaks and at the end of workday. Do not eat, drink or smoke when using this product.

No data available.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on Basic Physical and Chemical Properties

**Physical States:**  Gas  Liquid  Solid

**Appearance and Odor:** Appearance: Gray.  
Odor: Slight resinous odor.

**pH:** NA

**Melting Point:** NA

**Boiling Point:** NA

**Flash Pt:** > 600 C (1110 F) Method Used: Estimate

**Evaporation Rate:** NA

**Saturated Vapor Concentration:** NA

**Flammability (solid, gas):** No data available.

**Explosive Limits:** LEL: No data. UEL: No data.

**Vapor Pressure (vs. Air or mm Hg):** NA

**Vapor Density (vs. Air = 1):** NA

**Specific Gravity (Water = 1):** 1.65

**Density:** NA

**Bulk density:** NA

**Solubility in Water:** NA

**Octanol/Water Partition Coefficient:** No data.

**Autoignition Pt:** NA

**Decomposition Temperature:** NA

**Viscosity:** NA

### 9.2 Other Information

**Percent Volatile:** NA

**VOC / Volume:** NA

**Particle Size:** NA

**Heat Value:** NA

**Corrosion Rate:** NA

## SECTION 10. STABILITY AND REACTIVITY

**10.1 Reactivity:** Not reactive at normal temperatures and pressures.

**10.2 Stability:** Unstable  Stable

**10.3 Conditions To Avoid - Hazardous Reactions:** No data available.

**Possibility of Hazardous Reactions:** Will occur  Will not occur

**10.4 Conditions To Avoid - Instability:** None known.

**10.5 Incompatibility -** None known.

**Materials To Avoid:**

**10.6 Hazardous** None known.

**Decomposition or Byproducts:**

## SECTION 11. TOXICOLOGICAL INFORMATION

**11.1 Information on Toxicological Effects:** None with product as supplied. Effects of dust particles created by machining, grinding, riveting or through vibration in shipping:

Epidemiology: No information available.

Teratogenicity: No information available.

Reproductive Effects: No information available.

Mutagenicity: No information available.

Neurotoxicity: No information available.

**Irritation or Corrosion:** None with product as supplied. Effects of dust particles created by machining, grinding, riveting or through vibration in shipping: Airborne concentrations of dusts or mists may cause irritation to the eyes. Airborne concentrations of dusts or mists may cause irritation to the upper respiratory tract and lungs.

**Symptoms related to Toxicological Characteristics:** Handling this material with bare hands can cause abrasions. Effects of dust particles created by machining, grinding, riveting or through vibration in shipping: Dusts may block the airways, reduce visibility and may cause unpleasant deposits in the ears, eyes and nasal passages. Extremely dusty conditions may cause coughing and sneezing.

**Chronic Toxicological Effects:** None with product as supplied. Effects of dust particles created by machining, grinding, riveting or through vibration in shipping: Prolonged contact with skin may cause redness and irritation. Lung damage can result if subjected to extended duration of high dust exposure without respiratory protection.

**Carcinogenicity/Other Information:** OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. Effects of dust particles created by machining, grinding, riveting or through vibration in shipping: Respirable crystalline silica is an IARC and NTP probable carcinogen based on animal studies.

**Carcinogenicity:** NTP? No      IARC Monographs? No      OSHA Regulated? No

## SECTION 12. ECOLOGICAL INFORMATION

**12.1 Toxicity:** Environmental: No information available.  
Physical: No information available.

**12.2 Persistence and Degradability:** No data available.

**12.3 Bioaccumulative Potential:** No data available.

**12.4 Mobility in Soil:** No data available.

**12.5 Results of PBT and vPvB assessment:** No data available.

**12.6 Other adverse effects:** No data available.

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## SECTION 13. DISPOSAL CONSIDERATIONS

- 13.1 Waste Disposal Method:** Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. Observe all federal, state, and local environmental regulations.

## SECTION 14. TRANSPORT INFORMATION

### 14.1 LAND TRANSPORT (European ADR/RID):

**ADR/RID Shipping Name:** Not regulated as a hazardous material.

**UN Number:**

**Hazard Class:**

### 14.2 MARINE TRANSPORT (IMDG/IMO):

**IMDG/IMO Shipping Name:** Not regulated as a hazardous material.

### 14.3 AIR TRANSPORT (ICAO/IATA):

**ICAO/IATA Shipping Name:** Not regulated as a hazardous material.

## SECTION 15. REGULATORY INFORMATION

### EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
9003-35-4	Phenol-Formaldehyde Resin	No	No	No
26125-61-1	Kevlar fibers	No	No	No

### CAS # Hazardous Components (Chemical Name)

9003-35-4 Phenol-Formaldehyde Resin

26125-61-1 Kevlar fibers

### Other US EPA or State Lists

CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No

CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No

### CAS # Hazardous Components (Chemical Name)

9003-35-4 Phenol-Formaldehyde Resin

26125-61-1 Kevlar fibers

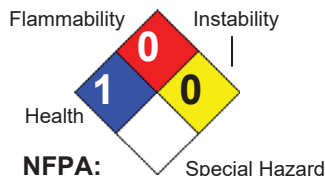
### International Regulatory Lists

Canadian DSL: Yes; Canadian NDSL: No; Mexico INSQ: Yes; Australia ICS: Yes; Taiwan TCSCA: Yes; REACH: Yes - (P)  
Canadian DSL: Yes; Canadian NDSL: No; Mexico INSQ: No; Australia ICS: No; Taiwan TCSCA: Yes; REACH: Yes - (P)

## SECTION 16. OTHER INFORMATION

**Revision Date:** 10/17/2016

**Hazard Rating System:**



**Additional Information:** 10/17/2016 Updated to OSHA GHS format.

**Company Policy or**

**Disclaimer:**

Information presented herein is believed to be accurate and reliable to the best of our knowledge. However, we make no warranty or merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting

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from its use. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process. Users should make their own investigations to determine the suitability of the information for their particular purposes.