



# The Kingsford Products Company

1221 Broadway  
Oakland, CA 94612  
Tel. (510) 271-7000

# Material Safety Data Sheet

**I Product:** KINGSFORD® CHARCOAL BRIQUETS

**Description:** BLACK SOLID BRIQUETS

<b>Other Designations</b>	<b>Manufacturer</b>	<b>Emergency Telephone Nos.</b>
	The Kingsford Manufacturing Company 1221 Broadway Oakland, CA 94612	For Medical Emergencies call: (800) 446-1014 For Transportation Emergencies Chemtrac (800) 424-9300

<p><b>II Health Hazard Data</b></p> <p>Dust may irritate eyes. Inhalation of dust may irritate nose and throat. Repeated or prolonged overexposure to the dust may cause coughing, shortness of breath, and occupational lung disease. Wood dust is a possible sensitizer. Studies have linked wood dust to nasal cancer in furniture industry workers. Woodworkers in the building industry (e.g. carpenters) do not appear to have this increased risk. Due to the product form and typical use conditions, significant dust exposures are unlikely, and, therefore, the potential for any chronic effects is low.</p> <p><b>CARBON MONOXIDE HAZARD.</b> Burning charcoal inside without adequate ventilation can kill you. It gives off carbon monoxide, which has no odor. NEVER burn charcoal inside homes, vehicles or tents. Under normal consumer use situations, no medical conditions are known to be aggravated by exposure to this product.</p> <p><b>FIRST AID:</b>  <b>EYE CONTACT:</b> Flush eyes thoroughly with water for at least 15 minutes. If irritation persists, call a physician.  <b>SKIN CONTACT:</b> Wash skin with soap and water.  <b>INGESTION:</b> Drink a glassful of water. Call a physician.  <b>INHALATION:</b> Remove to fresh air. If irritation or breathing problems develop, call a physician.</p>	<p><b>III Hazardous Ingredients</b></p> <table border="1"> <thead> <tr> <th>Ingredient</th> <th>Concentration</th> <th>Worker Exposure Limit</th> </tr> </thead> <tbody> <tr> <td>Char dust CAS # 16291-96-6</td> <td>varies</td> <td>2 mg/m<sup>3</sup> - TLV-TWA<sup>a,b</sup> (respirable dust)</td> </tr> <tr> <td>Limestone CAS # 1317-65-3</td> <td>&lt; 15%</td> <td>10 mg/m<sup>3</sup> - TLV-TWA<sup>a</sup> (total dust) 15 mg/m<sup>3</sup> - PEL-TWA<sup>c</sup> (total dust) 5 mg/m<sup>3</sup> - PEL-TWA<sup>c</sup> (respirable fraction)</td> </tr> <tr> <td>Sawdust</td> <td>&lt; 8%</td> <td>1 mg/m<sup>3</sup> - TLV-TWA<sup>a,d</sup></td> </tr> </tbody> </table> <p><sup>a</sup>TLV-TWA = ACGIH Threshold Limit Value-Time Weighted Average.  <sup>b</sup>Based on the ACGIH TLV-TWA for coal dust.  <sup>c</sup>PEL-TWA = OSHA Permissible Exposure Limit-Time Weighted Average.  <sup>d</sup>Based on the ACGIH TLV-TWA for wood dust from hardwoods.  IARC Monographs (Volume 62, 1995) state that there is sufficient evidence of the carcinogenicity of wood dust in humans and inadequate evidence of its carcinogenicity in animals. IARC classification: Group 1.  None of the other materials in this product are on the IARC, OSHA, or NTP carcinogen lists.  Char dust is produced by briquet breakage. Thus, the concentration will vary based on the amount of breakage.</p>	Ingredient	Concentration	Worker Exposure Limit	Char dust CAS # 16291-96-6	varies	2 mg/m <sup>3</sup> - TLV-TWA <sup>a,b</sup> (respirable dust)	Limestone CAS # 1317-65-3	< 15%	10 mg/m <sup>3</sup> - TLV-TWA <sup>a</sup> (total dust) 15 mg/m <sup>3</sup> - PEL-TWA <sup>c</sup> (total dust) 5 mg/m <sup>3</sup> - PEL-TWA <sup>c</sup> (respirable fraction)	Sawdust	< 8%	1 mg/m <sup>3</sup> - TLV-TWA <sup>a,d</sup>
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<p><b>IV Special Protection and Precautions</b></p> <p><b>Hygienic Practices:</b> Wash hands after direct contact.</p> <p><b>Engineering Controls:</b> Use local exhaust or general ventilation to minimize exposure to dust.</p> <p><b>Personal Protective Equipment:</b> Wear safety glasses. Use a NIOSH-approved respirator under conditions where TLV limits may be exceeded.</p>	<p><b>V Transportation and Regulatory Data</b></p> <p><b>DOT:</b> Not restricted per 49 CFR 172.101(c)(12)(iv).  <b>IMO:</b> Carbon, not activated. Not restricted. Passes self-heating carbon test.  <b>IATA:</b> Carbon, not activated. Not restricted. Passes self-heating carbon test.  <b>EPA - SARA Title III/CERCLA:</b> Packaged product is not reportable under Sections 311/312. This product contains no chemicals regulated under Section 313 or under Section 304/CERCLA.</p>
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<p><b>VI Spill Procedures/Waste Disposal</b></p> <p><b>Spill Procedures:</b> Remove heat and ignition sources. Vacuum sweep, if necessary, to avoid generating airborne dust. Wash residual to on-site treatment area, where appropriate.  <b>Waste Disposal:</b> Reclaim, if possible; otherwise, dispose of in accordance with all applicable federal, state, and local regulations.</p>	<p><b>VII Reactivity Data</b></p> <p>Stable under normal use and storage conditions. Store away from open flames.</p> <p>Avoid contact with oxidizing agents, heat sources, and ignition sources.</p>
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<p><b>VIII Fire and Explosion Data</b></p> <p><b>Fire Extinguishing Agents:</b> Copious amounts of water.</p>	<p><b>IX Physical Data</b></p> <p>Solubility in water..... Insoluble</p>
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