



# The Kingsford Products Company

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

# Material Safety Data Sheet

<b>I Product:</b>	KINGSFORD® ODORLESS CHARCOAL LIGHTER	
<b>Description:</b>	ALIPHATIC PETROLEUM SOLVENT	
<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

<b>II Health Hazard Data</b>	<b>III Hazardous Ingredients</b>						
<p>Vapors may cause irritation to the nose, throat, and respiratory tract. Repeated or prolonged exposure to concentrations above the Worker Exposure Limit may cause central nervous system depression (e.g. dizziness, weakness, nausea, headaches and/or unconsciousness). Small amounts of liquid aspirated into lungs can cause chemical pneumonitis which can be fatal. Liquid may be irritating to eyes and skin. Solvents similar to this product have caused adverse kidney effects in male rats after prolonged and repeated inhalation exposure. Reports have associated repeated and prolonged occupational exposure to solvents with permanent brain and nervous system damage. Preexisting eye, skin, and respiratory disorders may be aggravated by exposure to this product.</p> <p><b>FIRST AID:</b>  <b>INGESTION:</b> DO NOT INDUCE VOMITING. Call a physician immediately.  <b>INHALATION:</b> Remove from exposure. If irritation or breathing problems persist, call a physician.  <b>EYE CONTACT:</b> Flush eyes thoroughly with water for at least 15 minutes; then call a physician.  <b>SKIN CONTACT:</b> Wash skin with soap and water. If irritation occurs, call a physician.</p>	<table border="1"> <thead> <tr> <th>Ingredient</th> <th>Concentration</th> <th>Worker Exposure Limit</th> </tr> </thead> <tbody> <tr> <td>Aliphatic petroleum solvent CAS # 8052-41-3 CAS # 64742-88-7</td> <td>100%</td> <td>100 ppm - TLV-TWA<sup>a,b</sup> 500 ppm - PEL-TWA<sup>b,c</sup> 50 ppm - TLV-TWA<sup>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 Stoddard solvent.  <sup>c</sup>PEL-TWA = OSHA Permissible Exposure Limit-Time Weighted Average.  <sup>d</sup>Clorox observes a 50 ppm exposure limit in its facilities.</p> <p>This material is not on the IARC, OSHA, or NTP carcinogen lists.</p>	Ingredient	Concentration	Worker Exposure Limit	Aliphatic petroleum solvent CAS # 8052-41-3 CAS # 64742-88-7	100%	100 ppm - TLV-TWA <sup>a,b</sup> 500 ppm - PEL-TWA <sup>b,c</sup> 50 ppm - TLV-TWA <sup>d</sup>
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<b>IV Special Protection and Precautions</b>	<b>V Transportation and Regulatory Data</b>
<p><b>Hygienic Practices:</b> Wash hands with soap and water after direct contact. Do not wear product-contaminated clothing for prolonged periods.</p> <p><b>Engineering Controls:</b> Use local or general ventilation to minimize exposure to vapors.</p> <p><b>Personal Protective Equipment:</b> Wear safety glasses or goggles. Wear chemical-resistant (e.g. nitrile) gloves if handling product for prolonged or repeated periods. Use a NIOSH-approved respirator if exposure may exceed occupational exposure limits.</p> <p>Keep container closed when not in use. Store away from open flames, sparks, heat sources, direct sunlight, strong oxidants, and corrosives. Do not smoke while using this product.</p>	<p><b>DOT:</b> Not restricted.</p> <p><b>IMO Proper Shipping Name:</b> Dangerous goods in limited quantities of Class 3.3, PGIII.</p> <p><b>IATA Proper Shipping Name:</b> Petroleum distillates, N.O.S., Class 3, UN 1268, PGIII.</p> <p><b>TSCA Status:</b> This material is on the TSCA inventory.</p> <p><b>SCAQMD Status:</b> Approved - reference number C13.</p> <p><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>

<b>VI Spill Procedures/Waste Disposal</b>	<b>VII Reactivity Data</b>
<p><b>Spill Procedures:</b> CAUTION - COMBUSTIBLE. Eliminate potential sources of ignition. Absorb and containerize. Do not wash down sanitary sewer.</p> <p><b>Waste Disposal:</b> Dispose of in accordance with all applicable federal, state, and local regulations.</p>	<p>Stable under normal use and storage conditions.</p> <p>Avoid contact with strong oxidants such as liquid chlorine, concentrated oxygen, and sodium or calcium hypochlorite.</p>

<b>VIII Fire and Explosion Data</b>	<b>IX Physical Data</b>
<p><b>Flash Point:</b> ~105°F (closed cup)</p> <p><b>Flammable limits (% by volume in air):</b> 1% - 7%</p> <p><b>Fire Extinguishing Agents:</b> Foam, water fog, dry chemical, or carbon dioxide (CO<sub>2</sub>). Do not use a direct stream of water.</p> <p>NFPA Class II Combustible Liquid.</p>	<p>Boiling range ..... ~315 - 350°F</p> <p>Specific gravity (@ 15°C) ..... ~0.78</p> <p>Vapor pressure (@ 20°C) ..... ~3 mm Hg</p> <p>Vapor density (air = 1) ..... ~4.7</p> <p>Solubility in water ..... Negligible</p>