

## MATERIAL SAFETY DATA SHEET

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**PRODUCT: KPL Blue7003 WD**

**Doc No : KPL-001/MSDS**

1	<b>Identification of the substance / preparation and of the company undertaking.</b>
	<ul style="list-style-type: none"> <li>Product details</li> <li><b>Trade Name:</b> KPL Blue 7003 WD</li> <li><b>Application of the substance / the preparation.</b> In the manufacture of solvent based Liquid Ink</li> <li><b>Manufacturer / Supplier</b> Kesar Petroproducts Ltd Plot No. D-7/1 Lote Parshuram MIDC Tal- Khed, Dist Ratnagiri- Maharashtra</li> <li><b>Further information obtainable from:</b>  <div> <div>Product safety department - Kesar Petroproducts Ltd Plot No.D-7/1 Lote Parshuram MIDC Tal: Khed Dist Ratnagiri Maharashtra 415722</div> <div>Contact Person : Dr. Parijat Kanetkar Ph No. +91-7777076966</div> </div> </li> </ul>
2	<b>Hazards Identification</b>
	<ul style="list-style-type: none"> <li><b>Information concerning particular hazards for human and environment</b> Not classified.</li> </ul>
3	<b>Composition / Information on ingredients</b>
	<ul style="list-style-type: none"> <li><b>Description:</b> Pigment Blue 15:3</li> <li><b>CAS No. :</b> 147 - 14 - 8</li> <li><b>Chemical Formula :</b> C<sub>32</sub> H<sub>16</sub> N<sub>8</sub> Cu</li> </ul>
4	<b>First-aid measures</b>
	<ul style="list-style-type: none"> <li><b>After Inhalation:</b> Supply fresh air.</li> <li><b>After Skin contact:</b> Immediately wash with water and soap and rinse thoroughly</li> <li><b>After eye contact:</b> Rinse opened eye for several minutes under running water.</li> </ul>

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5	<b>Fire fighting measures</b>
	<ul style="list-style-type: none"> <li>• <b>Extinguishing Media :</b> Water / CO2 / Foam</li> <li>• <b>Special Fire Fighting Procedure</b></li> </ul>
	Use self contained breathing apparatus and full protective equipments.
6	<b>Accidental release measures</b>
	<ul style="list-style-type: none"> <li>• <b>Person-related safety precautions:</b></li> </ul>
	Not required.
	<ul style="list-style-type: none"> <li>• <b>Measures for environmental protection:</b></li> </ul>
	Do not allow to enter sewers/surface or ground water.
	<ul style="list-style-type: none"> <li>• <b>Measures for cleaning / collecting:</b></li> </ul>
	Use vacuum or wet clean up method and recover the product in a closed container.
7	<b>Handling and storage</b>
	<ul style="list-style-type: none"> <li>• <b>Handling:</b></li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Information for safe handling:</b></li> </ul>
	Prevent formation of dust.
	<ul style="list-style-type: none"> <li>• <b>Information about fire – and explosion protection:</b></li> </ul>
	Dust can combine with air to form an explosive mixture. Use approved dust respirator.
	<ul style="list-style-type: none"> <li>• <b>Storage:</b></li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Requirements to be met by storerooms and receptacles:</b></li> </ul>
	Store in roofed placed at room temperature.
	Store only in unopened original receptacles.
8	<b>Exposure controls / personal protection</b>
	<ul style="list-style-type: none"> <li>• <b>Additional information about design of technical facilities:</b></li> </ul>
	No further data; see item 7.
	<ul style="list-style-type: none"> <li>• <b>Ingredients with limit values that require monitoring at the workplace:</b></li> </ul>
	TLV : 10 mg/m <sup>3</sup>
	<ul style="list-style-type: none"> <li>• <b>Personal protective equipment:</b></li> </ul>
	<ul style="list-style-type: none"> <li>• <b>General protective and hygienic measures:</b></li> </ul>
	The usual precautionary measures are to be adhered to when handling chemicals.
	<ul style="list-style-type: none"> <li>• <b>Respiratory protection:</b></li> </ul>
	Use suitable respiratory protective device in case of insufficient ventilation.
	<ul style="list-style-type: none"> <li>• <b>Protection of hands:</b> Use hand gloves.</li> </ul>
	<ul style="list-style-type: none"> <li>• <b>Eye protection:</b> Use septic goggles</li> </ul>

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9	<b>Physical and chemical properties.</b>
	<ul style="list-style-type: none"> <li>Form : Powder</li> <li>Colour: Blue</li> <li>Odour: Odourless</li> </ul>
	<ul style="list-style-type: none"> <li>Change in condition</li> </ul>
	<ul style="list-style-type: none"> <li>Melting point / melting range : Undetermined</li> </ul>
	<ul style="list-style-type: none"> <li>Boiling point / boiling range: Undetermined</li> </ul>
	<ul style="list-style-type: none"> <li>Flash point: Not applicable</li> </ul>
	<ul style="list-style-type: none"> <li>Self igniting : Product is not self igniting.</li> </ul>
	<ul style="list-style-type: none"> <li>Danger of explosion: Risk of formation of explosive pigment dust / air mixtures.</li> </ul>
	<ul style="list-style-type: none"> <li>Specific Gravity : 1.6</li> </ul>
	<ul style="list-style-type: none"> <li>Solubility in / miscibility with Water : Insoluble</li> </ul>
	<ul style="list-style-type: none"> <li>pH – value : 6 - 8</li> </ul>
10	<b>Stability and reactivity.</b>
	<ul style="list-style-type: none"> <li>Thermal decomposition / conditions to be avoided:</li> </ul>
	No decomposition if used according to specifications.
11	<b>Toxicological information.</b>
	<ul style="list-style-type: none"> <li>Acute toxicity: LD50(rat) &gt;= 5,000 mg/kg</li> </ul>
	<ul style="list-style-type: none"> <li>Primary irritant effect:</li> </ul>
	<ul style="list-style-type: none"> <li>On the skin: No irritant effect known</li> </ul>
	<ul style="list-style-type: none"> <li>On the eye: No irritant effect known</li> </ul>
	<ul style="list-style-type: none"> <li>Sensitization: No sensitization effect known</li> </ul>
	<ul style="list-style-type: none"> <li>Mutagenicity: Negative</li> </ul>
	<ul style="list-style-type: none"> <li>Additional toxicological information: When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.</li> </ul>
12	<b>Ecology information.</b>
	<ul style="list-style-type: none"> <li>General notes:</li> </ul>
	Do not allow product to reach ground water, water course of sewage system.

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13	<b>Disposal considerations.</b>
	<ul style="list-style-type: none"> <li><b>Product:</b> Copper Phthalocyanine Blue Pigment</li> <li><b>Recommendation</b></li> </ul>
	Hand over to hazardous waste disposers.
	<ul style="list-style-type: none"> <li><b>Uncleaned packaging:</b></li> <li><b>Recommendation:</b> Use septic goggles</li> </ul>
14	<b>Transportation information.</b>
	<ul style="list-style-type: none"> <li><b>Transport / Additional information:</b></li> </ul>
	UN No.: None, GGV IMDG CODE: None, RID / ADR: None, ICAO / IATA-DGR none
15	<b>Regulatory information.</b>
	<ul style="list-style-type: none"> <li><b>Designation according to EC guidelines:</b> Not classified as “dangerous”.</li> <li><b>Code letter and hazard designation of product:</b> Not classified as “dangerous”.</li> </ul>
16	<b>Other information.</b>
	This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
	<ul style="list-style-type: none"> <li><b>Department issuing MSDS:</b></li> </ul>
	Quality Control department.

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