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| <b>PRODUCT SPECIFICATIONS</b> | <b>Document Number</b> | <b>PKE.F.11-14</b>     |
|                               | <b>Revision Number</b> | <b>5</b>               |
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|------------------------------|---------------------|---------------|
| <b>PRODUCT NAME</b>          | <b>DOTP</b>         |               |
| <b>CAS NO</b>                | <b>6422-86-2</b>    |               |
| <b><u>SPECIFICATIONS</u></b> |                     |               |
| <b>PARAMETER</b>             | <b>VALUE</b>        | <b>METHOD</b> |
| MOLECULAR WEIGHT g/mol       | 390                 |               |
| ESTER CONTENT Min            | 99.50               | ASTM D3465    |
| APPEARANCE                   | Clear Liquid        | ASTM D 4176   |
| ODOR                         | Characteristic      | ASTM D 1296   |
| COLOUR . Hazen . MAX         | 30                  | ASTM D1209    |
| ACIDITY (Mg, KOH/g) Max      | 0.1                 | ASTM D 974    |
| REFRACTIVE INDEX . 20C       | 1.489 ± 0.003       | ASTM D 1747   |
| SPECIFIC GRAVITY . 20C       | 0.983 ± 0.002gr/cm3 | ASTM D 1298   |
| FLASH POINT                  | ≥ 218°C             | ASTM D 92     |
| WATER CONTENT Max %          | 0.05                | ASTM D 1364   |
| VISCOSITY . cp ´ 25° C       | 60-68               | BROOKFIELD    |
| VISCOSITY . cp ´ 20° C       | 78-90               |               |
| FREE ALCOHOL Max %           | 0.1                 | GC/MS         |

**APPLICATION**

DOTP is the phthalate-free plasticizer . It is excellent general purpose plasticizer for flexible PVC. DOTP is the equal to or better than the other general purpose of phthalate plasticizers. It has good mechanical and performance properties and low temperature flexibility. It also provides low viscosity in plastisols with good viscosity stability. PLASTISOFT has good compatibility with polyvinyl chloride, polystyrene, cellulose, nitrate, methylcellulose, polymethyl methacrylate, major polymers and resins. It can be used in medical applications including tubing films, bags, gloves, children's toys, childcare articles, food contact materials, stretch film, cable and wires, artificial leather. It is widely available and tested and has a comprehensive toxicological portfolio, which indicates that it can be used in toys, beverage packaging and medical devices.