

# Coolant DYOP 45EP

It is Formaldehyde-free, formaldehyde-condensate-free, bactericide-free.

It is a Semi synthetic, water miscible, metalworking fluid concentrate that produces an ultra stable emulsion for use in all waters with long life.

Chlorine-free, contains no raw materials which are labelled as sensitizers.

Coolant DYOP 45EP is a ~45% oil, translucent, water-mix cutting fluid used for sawing, turning, milling, drilling and threading, general purpose surface, cylindrical and centreless grinding on ferrous and non-ferrous alloys. Its performance on aluminium and stainless steel is excellent.

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<b>Key Benefits</b> <ul style="list-style-type: none"><li>• Long Sump Life</li><li>• Improved Tool Life</li><li>• Highly Stable Emulsion</li><li>• Operator Friendly</li><li>• Excellent Corrosion Protection</li><li>• Low Foam in soft water.</li><li>• Reduced Sticky Deposits</li><li>• Less Product Loss due to Draw-Out</li></ul>	<b>Emulsion Type</b> <ul style="list-style-type: none"><li>• Translucent emulsion</li><li>• Low Oil Content</li><li>• Phosphorous EP additives.</li></ul>
<b>Typical Applications</b> <ul style="list-style-type: none"><li>• General Machining 4-6%</li><li>• Grinding: - cylindrical, centreless, surface. 4-5%</li><li>• Milling and threading 5-7%</li></ul>	<b>Compatibility</b> <ul style="list-style-type: none"><li>• Ferrous metals including stainless steel, and cast iron.</li><li>• Inconel and other high spec alloys</li><li>• Titanium alloys</li><li>• Plastics</li></ul>
<b>Typical Data</b> <u>Concentrate</u> Appearance Amber Fluid Specific Gravity 0.95 Mineral Oil Content % ~45	<b>General Compatibility</b> <ul style="list-style-type: none"><li>• Waters from 40ppm to 400ppm (Calcium hardness)</li><li>• Low foaming tendency</li><li>• Suitable for high pressure applications</li><li>• Suitable for low pressure applications</li></ul>
<u>Emulsion</u> Appearance Amber pH at 5% 9.5 IP287 pass at % 2.0 Refractometer Factor 1.4	<b>Health and Safety</b> <p>Full health and safety data sheet is available on request.</p> <b>Storage</b> <ul style="list-style-type: none"><li>• Store indoors</li><li>• Store between 4 °C and 35°C</li><li>• Shelf life is 6 months from date of supply</li><li>• Store undercover or if outdoors on its side.</li></ul>

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