BOELUBE® 70104 Liquid (100A)
HIGH EFFICIENCY NEAR DRY MACHINING LUBRICANT

Description

BOELUBE® 70104 Liquid is non-toxic, non-irritating, environmentally safe synthetic lubricant for minimum quantity lubrication (MQL).

The special BOELUBE® chemistry yields a high polar lubricating film, which greatly reduces friction minimizing heat generation, and subsequently the need to remove heat.

Environmentally Safe / Worker Friendly
Manufactured from personal care ingredients, BOELUBE® 70104 Liquid is non-toxic, non-irritating and biodegradable.

BOELUBE® 70104 Liquid is non-corrosive, non-flammable, chemically stable, and free of Halogens, Silicone, Petroleum, Paraffin Wax, Sulfur and Phosphorus, whether added or present in any ingredients.

BOELUBE® 70104 Liquid is effective for machining many types of materials such as Aluminum, Titanium, Stainless Steel, Carbon Fiber, Composites, Honeycomb, Inconel, Kevlar, Wood, Ferrous and Non-ferrous Metals.

BOELUBE® 70104 Liquid is extremely cost effective in applications such as Drilling, Tapping, Reaming, Deburring, Grinding, Milling, Routing, Sawing, Stamping and Punching.

BOELUBE® 70104 is designed for all Fine Droplet, Spray and Oil Hole Tool applications.

Typical BOELUBE® 70104 Liquid usage is approx. 1 fluid oz. (30 ml) or less per hour of machining time, which is best determined by the machining process and workpiece composition.

BOELUBE® 70104 Liquid is most effective when used in minimal quantity.

Using a coaxial supply of compressed air and lubricant to the nozzle, the nozzle directs BOELUBE® 70104 liquid droplets in the compressed air directly to the cutting edge.

The compressed air will help move chips from the tool cutting edge as the fine lubricant droplets form a thin film at the point of contact to reduce friction and heat generation, and help keep tools cool.

BOELUBE® 70104 Liquid is widely used in the operation of portable positive feed drills.

BOELUBE® 70104 Liquid can also be delivered continually through tools with internal channels directly to the cutting edge in drilling, reaming, tapping, and milling applications.

BOELUBE® 70104 Liquid will provide superior lubricity leading to better surface finish, longer tool life, and yield closer tolerance parts.

BOELUBE® 70104 Liquid is for the most part consumed in the machining process with little or no clean-up or related costs and no disposal costs. The resulting chips are dry, not tacky and can be reclaimed without further processing.

Typical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State:</td>
<td>Liquid</td>
</tr>
<tr>
<td>Color:</td>
<td>Red</td>
</tr>
<tr>
<td>Solubility in Water:</td>
<td>Insoluble</td>
</tr>
<tr>
<td>VOC Content:</td>
<td>Non-volatile (&lt; 0.1%)</td>
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