eni Aquamet SA

eni Aquamet SA is a multipurpose EP water miscible cutting fluid with excellent technological characteristics. It is suitable for cutting operations of medium and high severity such as tapping, threading and deep drilling on all ferrous metals, on aluminum and its alloys, as well as yellow metals both in the working stations and in the centralized plants.

**Product Characteristics**

<table>
<thead>
<tr>
<th>Appearance/Color</th>
<th>Liquid light brown</th>
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</thead>
<tbody>
<tr>
<td>Density at 15°C g/cm³</td>
<td>0.883</td>
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<tr>
<td>Viscosity at 40 °C mm²/s</td>
<td>45.3</td>
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<tr>
<td>Flash Point COC °C</td>
<td>128</td>
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<tr>
<td>Pour Point °C</td>
<td>-23</td>
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</table>

**PROPERTIES AND PERFORMANCES**

- Good corrosion resistance.
- Good emulsion stability.
- Nitrite and phenol/cresol free.
- Low odor.
- Wide range application in paraffinic base stocks.
- Good flexibility as a base package.
- Compatible with main chemical type of biocide and fungicides.
- Usually used in an oil to water ratio ranging from 1:10 to 1:60

**APPLICATIONS**

eni Aquamet SA is a multipurpose product recommended for cutting operations of medium and high severity such as tapping, threading and deep drilling on all ferrous materials, on aluminum and its alloys, as well as on yellow metals. It can be used in grinding operations. Suitable for sawing machines.

**NOTE**

To obtain the best possible results, follow the procedures indicated below:

- Before preparing the emulsion, clean the tank and the circuits with a suitable product;
- Prepare the emulsion using a blender, if possible;
- In the case of manual mixing, it is always best to add the product to the water, in order to avoid problems of emulsion instability;
- To prevent deterioration of the product due to sudden changes in temperature or as a result of outdoor display of the containers, it is best to store the product in closed settings, at temperatures between +5 and +30°C.

Detailed information shall be supplied by the eni Technical Assistance Service.