NEOCASTER RE-77
WATER-OIL (W/O) EMULSION TYPE PLUNGER LUBRICANT

PRODUCT DESCRIPTION:

NEOCASTER RE-77 is a water/oil emulsion plunger lubricant developed for die casting machine lubrication systems. NEOCASTER RE-77 provides the same excellent lubricity of oil-based plunger lubricants while maintaining the clean environment around the tip and sleeve provided by water-based lubricants. NEOCASTER RE-77 prevents erosion of the metal sleeve part from molten metal due to the solid lubricating additives that are added into the composition of the lubricant.

BENEFITS:

- Excellent lubricity and tip wetting properties
  - Prevents the wear and seizure of tip to the same level of performance or better than oil based lubricants
  - Less volume per cycle can be expected as compared to conventional water based lubricants
- Decrease in the gas and oil content
  - Reduces the opportunity for gas to be included in the casting caused by tip lubricant out-gassing
- No graphite and no flash point
  - Maintain a cleaner and safer working environment
- Easy separation with water
  - The NEOCASTER RE-77 will float to the surface permitting separation with a skimmer

PHYSICAL PROPERTIES:

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>VALUE</th>
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<tbody>
<tr>
<td>APPEARANCE</td>
<td>White emulsion</td>
</tr>
<tr>
<td>DENSITY (g/cm³, 15°C)</td>
<td>0.96</td>
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<tr>
<td>VISCOSITY (mPa·s, 30°C)</td>
<td>720</td>
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<tr>
<td>FLASH POINT (°C)</td>
<td>None</td>
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APPLICATION:

- NEOCASTER RE-77 should be used by air blow after drip or spray into the sleeve
- NEOCASTER RE-77 can also be used by only drip on the tip or into the sleeve depending on the condition
- NEOCASTER RE-77 can be applied with brush directly onto sleeve
- NEOCASTER RE-77 cannot be diluted. Please use it neat.

HANDLING & STORAGE:

NEOCASTER RE-77 should be stored indoors and closed tightly with a cap to avoid water evaporation and contamination. DO NOT FREEZE. Do not store long term.

PACKAGING:

NEOCASTER RE-77 is available in 18L pails and 200L drums