



# DAPHNE BRIGHT QUENCH M

## 1. Application

Daphne Bright Quench M is recommended for use as following :

1. Cold quenching in atmosphere furnace.
2. Press quenching.
3. Vacuum oil quenching.
4. "Ni-Temper" of "Triniding"

Daphne Bright Quench M is suitable in quenching :

1. Bearing, small fuel injection pump.
2. Bolt, nail, sheet spring needed plating.
3. Drive shaft and differential pinion gear for automobile.

## 2. Characteristic

1. Assures bright finish maintaining for a long time.
2. Special agents inhibit sludge formation and oxidation to extend service life.
3. Reduces vapor blanket in the initial cooling stage.
4. Maintains a suitable cooling curves.

### Notes :

1. In general, Daphne Bright Quench M is recommended for oil bath temperature up to 100 °C.
2. Water contamination should be controlled under 200 ppm.

## 3. Typical Specification

				<u>ASTM Method</u>
Density	@ 15 °C	g/cm <sup>3</sup>	<b>0.8626</b>	D-1298
Color	ASTM		<b>L 0.5</b>	D-1500
Flash Point	C.O.C.	°C	<b>188</b>	D-92
Viscosity	@ 40 °C	mm <sup>2</sup> /s	<b>18.91</b>	D-445
	@ 100 °C	mm <sup>2</sup> /s	<b>4.107</b>	
Viscosity Index			<b>119</b>	D-2270
Total Acid Number		mgKOH/g	<b>1.31</b>	D-664
Carbon Residue		wt%	<b>0.01&gt;</b>	D-189
Sulfur		wt%	<b>0.20</b>	D-129
Severity of Quench		H cm <sup>-1</sup>	<b>0.138</b>	-