

## Lubricant Product Information



# Daphne Aqua Cool NP

PRTR Type Of Water-Soluble Grinding Oil

### Description

Daphne Aqua Cool NP is a chemical solution type of water-soluble grinding fluid which is formulated with various additives such as anti-bacterial characteristic surfactant and water soluble rust prevention additives to provide unsurpassed grinding performance. It does not contain harmful substances listed by the PRTR (Pollutant Release and Transfer Registers).

### Application

It is a water-soluble grinding fluid specially recommended for the grinding of carbon steels, alloy steels and cast irons.

### Characteristics

1. Special surfactant provides superior flushing/cleaning ability to assure the extension of grindstone service life and the improvement of the machined surface finish.
2. Special anti-rust additive prevents rusting of work piece material and grinding machine.
3. Special anti-bacteria additive prevents the growth of fungi and bacteria, which helps to prolong fluid service life.
4. With special anti-foam additive, it has excellent anti-foam performance even in the presence of soft water.

**\* Direction for use:**

Adjust concentration of the solution by adding Daphne Aqua Cool NP.

- Use 30-50 times dilution (2-3%) for cast iron material which is more prone to rust.
- Use 30-80 times dilution (1.25-3%) for other metals.

**Note:** To adjust the dilution, add the concentrated Daphne Aqua Cool NP into the water.

### Packing

20L pail, 200L drum

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### Typical Specifications

### Daphne Aqua Cool NP

	<b>ASTM METHOD</b>	Original Fluid	30 times (3%)	50 times (2%)
Colour	D-1500	L 1.5	-	-
Density 15 °C (g/cm <sup>3</sup> )	D-4052	1.045	-	-
Surface Tension (mN/m)	-	22.6	-	-
pH	-	-	9.7	9.7
Foaming (Cylinder Vibration Method)	JIS K 2518	-	5-0	5-0
Rust Preventive @Room temp. x 2h	DIN Method	-	0 (Pass)	0 (Pass)

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