

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

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	ASTM METHOD	Original Fluid	30 times (3%)	50 times (2%)
Colour	D-1500	L 1.5	-	-
Density 15 °C (g/cm ³)	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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