

Description

DAPHNE ALPHA COOL EW is a water soluble cutting fluid for aluminum alloy, steel, and alloy steel. Especially in the working of aluminum alloy, this product has excellent performance for form rolling tap, finishing reaming which is difficult to work with conventional products.

Features & Characteristics

DAPHNE ALPHA COOL EW is a cutting fluid that is gave the measure against emulsion break. Special surfactants that IDEMITSU developed with original technology and other selected raw materials are included in this product. And these included materials prevent emulsion break and decay.

- (1) Added fatty acid has excellent lubricity and makes tools life longer and finished surface improved.
- (2) The performance to prevent decay contributes to extend the fluid life and to reduce the waste.
- (3) Excellent cleaning property by using materials not aged easily prevents the pollution around machinery.
- (4) Rust of works and tool machineries can be prevented, because stable pH can be kept against the concentration change.
- (5) It is easy to make an emulsion regardless of the temperature or the hardness of water, because this product has excellent self-emulsification ability.

Typical Specifications

Test Item	Test Method	EX Stock Solution	EW(5%)	EW(2%)
Density at 15°C(g/cm ³)	ASTM D4052	0.948	-	-
Color	ASTM D1500	L1.5	-	-
Boron(ppm)	ASTM D4951	1>	-	-
Phosphorus(ppm)	ASTM D4951	1>	-	-
pH	ASTM D1293	-	9.4	-

Attention

Emulsification can be prepared by adding undiluted solution of DAPHNE ALPHA COOL EW to water. Allowed dilution power is between 2% and 10%.

Package

200L D/M,20L P/L

- Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Safety Data Sheet (SDS) are followed.
- SDS is available upon request through your sales contract office, or via the internet.
<https://www.idemitsu.com/jp/business/lube/>
- Due to continual product research and development, the information contained herein is subject to change without notification.

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