

# DAPHNE ALPHACOOOL CS

## Description

This oil can be used as a general-purpose cutting oil for aluminum alloys, carbon steel, alloy steel, and copper by dissolving in water. Specifically, this product can be used for turning, drilling, and end milling. In addition, this product does not contain chlorine nor boron, making it environmentally friendly as well as worker-friendly.

## Features & Characteristics

- (1) Idemitsu's proprietary emulsion technology uses special surfactants to heighten emulsion stability.
- (2) Along with additives with high antibacterial properties to improve resistance to rot to considerably extend the coolant's service life.
- (3) Since it suppresses fume occurrence and has high re-emulsifiability, this product also produces less sludge around the machinery, thereby improving the working environment.
- (4) Less foaming even at high-pressure injections. Does not contain a barium-complex
- (5) Less dispersion or vaporization of the active component while machine operation.
- (6) High versatility; can be used with both ferrous and non-ferrous materials.

## Typical Specifications

Test Item	Test Method	CS Stock Solution	CS(10%)	CS(5%)
Density at 15°C	ASTM D4052	0.9110	-	
Color	ASTM D1500	L0.5	-	
Flash point(COC)		None	-	
pH	ASTM D1293		9.19	9.16
Foaming	Cylinder Shaking Method		7-0	6-0
Anti-rust(DIN test))	@Room Temperature*2h		0(Pass)	0(Pass)

## Attention

For emulsification adjustment, please recharge Daphne Alphacool CS stock solution to water. The usable dilution ratio is 10X(10%) to 50X(2%). Please pay attention not to exceed this range.

## Handling Precautions

- (1) Depending on a person's condition, skin irritation may occur. In that case, wash well with soap and use protective cream and gloves.
- (2) Please strive to prevent accidental ingestion of the product.

## 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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