



DAPHNE MILCOOL XL

~Long Life Water Soluble Cutting Fluid~

1. Application

DAPHNE MILCOOL XL is emulsion type cutting fluid for Aluminum alloy, Carbon steel, alloy steel. And **DAPHNE MILCOOL XL** is environmental friendly because it doesn't include any chloride compounds.

2. Essence

DAPHNE MILCOOL XL contains the special surfactant for preventing the emulsion break, lubricity improver, and corrosion inhibitor.

3. Characteristics

- A) Because of high lubricity of special surfactant, **DAPHNE MILCOOL XL** have high cutting performance, extend tools life and improve finished surface accuracy.
- B) High microbial resistance property extends coolant life and reduces industrial waste.
- C) High resistance against emulsification breaking, it avoids coolant separation when machines stopped for long periods of time.
- D) No chlorine and sulfur make this product environmentally friendly.

4. Attention

Emulsification can be prepared by adding undiluted solution of **DAPHNE MILCOOL XL** to water. Allowed dilution power is between 5% to 10%. (10% is best.)

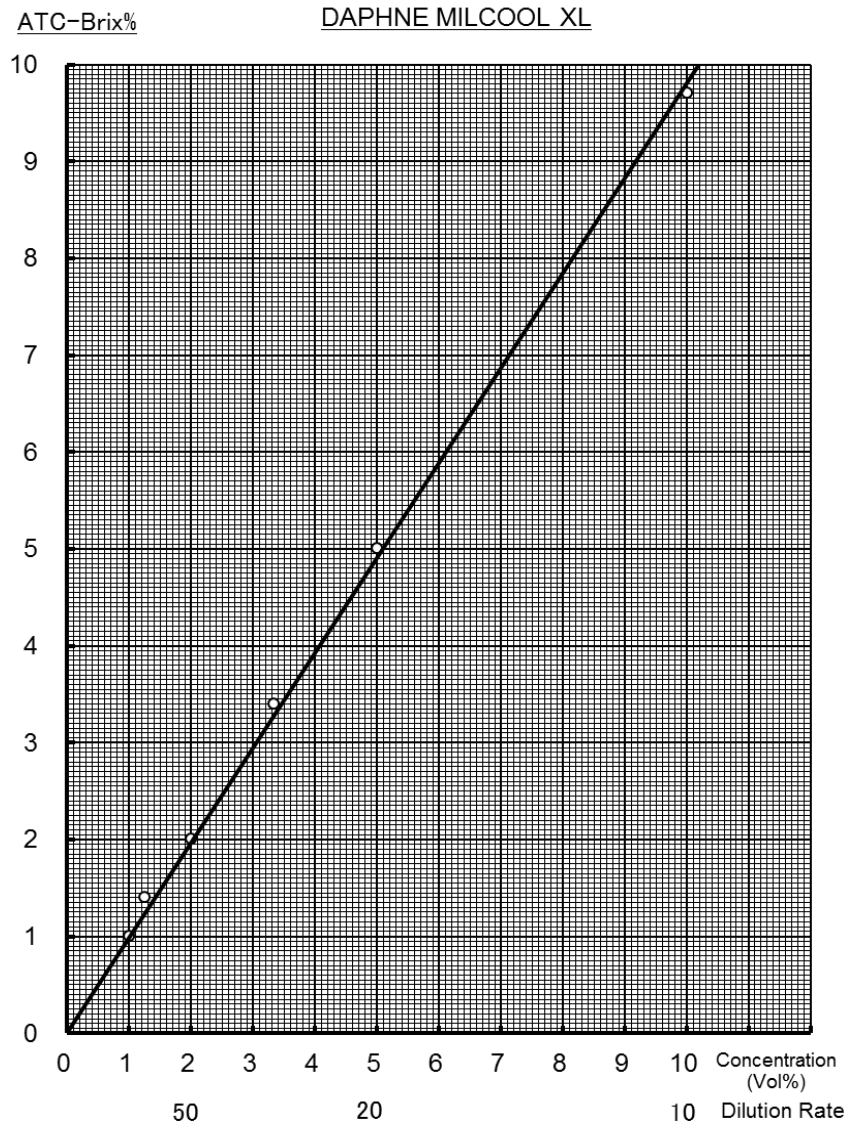
5. Packaging

DAPHNE MILCOOL XL is available in 20L pail, 200L drum.

6. Typical specification

	Undiluted solution	10 % (× 10 diluted)	5 % (× 20 diluted)
Density @15°C (g/cm ³)	0.9396	—	—
Color ASTM	L1.5	—	—
Flash Point @C.O.C (°C)	-(Non-hazardous)	—	—
pH	—	9.57	9.54
Foaming @shaking cylinder	—	4-0	3-0
Rust-prevention (DIN) @r.t. x2h	—	0(pass)	0(pass)

7. Brix value



$$\text{Brix\%} = 0.98 \times \text{Concentration (vol\%)}$$

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

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