



DAPHNE ALPHASOLUBLE GL

~Synthetic Solution for Cutting & Grinding ~

1. Application

DAPHNE ALPHASOLUBLE GL is a synthetic coolant with excellent bio stability and corrosion protection. The **DAPHNE ALPHASOLUBLE GL** is suitable for cutting and grinding of carbon steel, alloy steels and many specialty steels.

2. Essence

DAPHNE ALPHASOLUBLE GL is formulated with a synthetic lubricity improver, corrosion inhibitor and proprietary antimicrobial surfactant.

3. Characteristics

- 1.) CBN grinding is possible with the **DAPHNE ALPHASOLUBLE GL** due to the synthetic lubricity improver.
- 2.) **DAPHNE ALPHASOLUBLE GL** forms a transparent solution ideal for allowing the operator to see the tool and workpiece.
- 3.) Easily separates tramp oil to maintain transparency.
- 4.) Outstanding resistance to foaming allows for high pressure and through the tool applications.
- 5.) Excellent bio-stability allows maximum sump life.
- 6.) **DAPHNE ALPHASOLUBLE GL** provides excellent corrosion protection for the machine tool, cutting tool and workpiece.

4. Packaging

DAPHNE ALPHASOLUBLE GL is available in 20 L pails, 200 L drums.

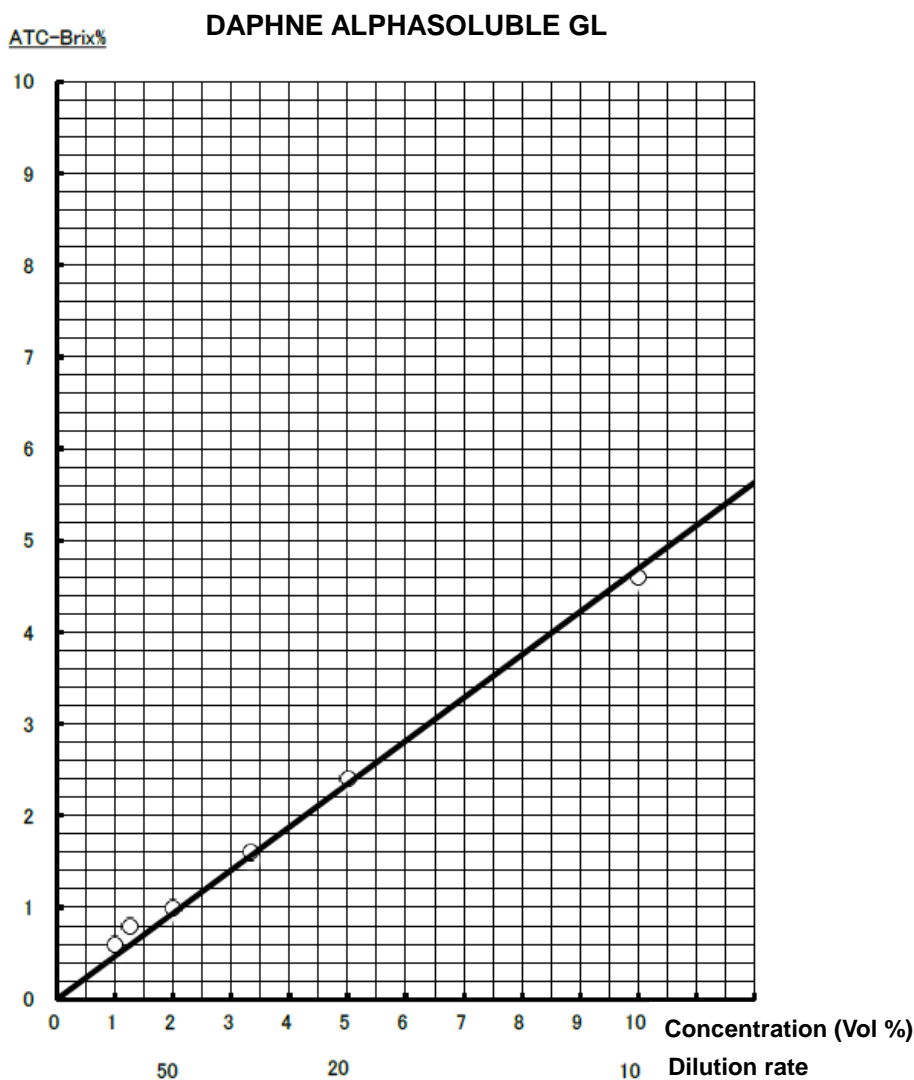
5. Attention

DAPHNE ALPHASOLUBLE GL is not suitable for the machining and grinding of non-ferrous metals such as copper, brass and aluminum.

6. Typical Specification

	Undiluted solution	5 % (× 20 diluted)	3 % (× 30 diluted)
Density @15°C (g/cm ³)	1.03	—	—
Color ASTM	L0.5	—	—
Surface Tension mN/m	32.1	—	—
pH	—	9.2	9.2
Foaming @shaking cylinder	—	30-4	30-6
Rust-prevention (DIN) @r.t. x2h	—	0(pass)	0(pass)

7. Brix value



$$\text{Brix}\% = 0.47 \times \text{Concentration}(\text{vol}\%)$$

- 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.

Idemitsu Kosan Co.,Ltd. Lubricants Department 2

OG 09/20/19