

# Blasospin Cool EFU

Art. 04870-01

**Description:** Blasospin Cool EFU is a water-miscible coolant concentrate for motor spindles. It provides excellent protection against corrosion thanks to mono ethylene glycol (MEG) additive.

**Applications:** Blasospin Cool EFU ensures efficient cooling and long-term protection against corrosion for high-frequency spindles and other hot components of machine tools.

## Product characteristics

- Multi-metal compatible
- State-of-the-art additive technology
- Minimal consumption of corrosion inhibitors
- Does not attack seals or rubber hoses
- Free of nitrites, phosphates and amines

## Benefits

- Suitable for systems with components made of aluminium, nonferrous and ferrous metals
- Highly effective long-term protection against corrosion
- Longer coolant life
- Excellent compatibility with sealing materials
- Contains no potentially harmful substances

**Maintenance:** We recommend replacing Blasospin Cool EFU every two years at the latest. To ensure optimal protection, regularly check the pH value and concentration.

**Changeover:** Before changing over from another coolant to Blasospin Cool EFU, run the cooling system for at least 48 hours with 2% Blasorun 5.

**How to use:** Premix with at least 33% Blasospin Cool EFU, as follows:

Tank content	Blasospin Cool EFU	Water
10 l	3.3 l	6.7 l
30 l	9.9 l	20.1 l
50 l	16.5 l	33.5 l
100 l	33 l	67 l
300 l	99 l	201 l

Always mix in a clean container, and immediately fill into the pre-treated cooling system. Preferably use softened water for mixing.

Using water at 35.7° fH (20° dH) with 50 ppm chloride or 50 ppm sulphate additive also provides acceptable corrosion protection.

If the water analysis data exceeds the admissible limits, take suitable measures such as mixing with softened, distilled or demineralised water. This is the easiest way to reduce excessive chloride or sulphate content.

**Compatibility:** see overleaf

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**Compatibility:** Do not mix with other cooling media. Otherwise, optimal corrosion protection cannot be guaranteed.  
**Important:** Not to be used in cooling systems with galvanized parts or in galvanized mixing containers.  
If we do not know the materials used in your cooling system circuit, we cannot be held liable for any resultant surface changes. Accordingly, please consult your system manufacturer for approval before using this product.

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<b>Technical data:</b>	Colour:	Blue-green	
	Density at 20°C:	1,125 g/ml	ASTM D 5931
	Boiling point:	174°C	ASTM D 1120
	Mixture pour point:	-24°C	ASTM D 97
	pH value:	7.2	ASTM D 1287
	Reserve alkalinity (pH 5.5):	16	ASTM D 1121
	Refraction at 20°C:	1,432 n	ASTM D 1218
	Application temperature range:	-17°C bis +100°C	

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<b>Safety and environmental aspects:</b>	ADR/RID:	Not classified as hazardous by transport regulations
	Precautions:	Do not allow product to reach groundwater, watercourses or sewage systems. Danger to drinking water if even small quantities leak into the ground.
	Water hazard class:	WGK 1, slightly water endangering
	LVA/EU waste code:	16 01 14
	CH waste code:	Identical to EU waste code (as per VeVA regulations of 01.01.06)
	Classification and designation:	See Safety data sheet



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**Container sizes:** Canister: 5 l • 25 l

*The data given on this sheet are based on properties and application possibilities as known to us. Blaser Swisslube AG cannot be held liable for any damages resulting from the improper use of its products. No general liability can be derived from these data.* 39.582 E (1121)