

# FACT SHEET

## blueCool coolant



### YOUR BENEFITS!

An extended service life for your EWM welding machine and cooling unit, environmentally friendly and sustainable use of resources and greater corrosion protection for all components in the cooling circuit. You will benefit from these and many other advantages if you opt for the high quality of our blueCool coolant.

blueCool offers a number of advantages in the areas of transport, environmental protection and storage:

#### Extended service life:

Thanks to its corrosion inhibitors, using blueCool extends the service life of all components in the cooling system and welding torch.

#### Environmental protection:

blueCool is biodegradable and can therefore be used in ecologically sensitive applications worry-free.

#### Storage and transportation:

blueCool is not subject to hazardous goods labelling for transportation. Nor is it flammable and is therefore not classified in any hazard class for flammable liquids.

### PRODUCT PROPERTIES

- Increased corrosion protection thanks to corrosion inhibitors
- Extended durability compared to standard coolants
- Biodegradable
- Easy transport and storage
- Not subject to mandatory labelling
- No hazard class
- Non-flammable
- Very low electrical conductivity
- Can be used on any EWM welding machine or cooling unit

#### Technical data

Electrical conductivity	<5 µS/cm
Density (20 °C)	1.04 g/cm <sup>3</sup>
Water hazard class	1

Designation	Freezing point	Contents	Packing unit	Item number
blueCool -10 5 l	-10 °C	5 l	1	<a href="#">094-024141-00005</a>
blueCool -10 25 l		25 l	1	<a href="#">094-024141-00025</a>
blueCool -10 220 l		220 l	1	<a href="#">094-024141-00220</a>
blueCool -30 5 l	-30 °C	5 l	1	<a href="#">094-024142-00005</a>
blueCool -30 25 l		25 l	1	<a href="#">094-024142-00025</a>
blueCool -30 220 l		220 l	1	<a href="#">094-024142-00220</a>
blueCool frost protection tester	-	-	1	<a href="#">094-026477-00000</a>

- The coolant must be checked for adequate frost protection with the frost protection tester (item number 094-026477-00000).
- Detailed technical information and instructions for use can be found in the safety data sheet

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### FAQ – FOR TECHNICAL SERVICE

#### **What do I need to consider when switching to blueCool coolant?**

When changing coolants to blueCool, please refer to the operating instructions for your welding machine or cooling unit. The necessary work steps are described in the two chapters "Torch cooling" and "Maintenance, care and disposal – changing the coolant"

#### **Can I mix blueCool with other coolants?**

EWM recommends: The blueCool coolant should not be mixed with other coolants.

#### **How do I switch from my coolant to blueCool on a new appliance?**

Follow the description in the "Maintenance and care" chapter of the operating instructions for your welding or cooling unit and completely drain the old coolant from the tank. If the machine has not yet been in operation, fill the tank with blueCool coolant, observing the maximum coolant level. You should then mark the filling with blueCool on the welding or cooling unit (e.g. paper tag on the tank nozzle).

You can order the attachment label for attachment to the tank nozzle from us free of charge under item number 094-029968-00000 (PU with 10 pieces) (limited to 50 pieces per SP as initial equipment, later for a protection fee).

#### **How do I switch from my coolant to blueCool on a used appliance?**

Follow the description in the "Maintenance and care" chapter of the operating instructions for your welding or cooling unit and completely drain the old coolant from the tank. Wait until the coolant has completely drained from the tank. Then remove the filter sieve from the filling nozzle and clean it.

#### **If the machine has already been in operation, you must rinse the dirt residues out of the tank with water.**

Now fill the tank with blueCool coolant, taking into account the maximum coolant level, and mark the filling with blueCool on the welding machine or cooling unit (e.g. label on the tank nozzle).

You can order the attachment label for attachment to the tank nozzle from us free of charge under item number 094-029968-00000 (PU with 10 pieces) (limited to 50 pieces per SP as initial equipment, later for a protection fee).

#### **What should I do if I used the wrong coolant to top up by mistake?**

As the blueCool coolant should not be mixed with other coolants, we recommend replacing the coolant completely (see above).

#### **Why is it so important to rinse dirt residues out of the tank with water?**

The coolant is only guaranteed to function properly if it is very pure. Frequent component changes (e.g. welding torches) can cause residual substances from the component to enter the coolant and "contaminate" it. This affects the original quality of the coolant.

#### **What happens if I mix blueCool with other coolants?**

Interactions with liquids unknown to us cannot be ruled out. These could be: Particle formation, increased corrosion, decomposition, shift in the cooling protection temperature, blockage/clogging of the cooling circuit and even complete failure.

Furthermore, we have no long-term experience with mixed coolants and therefore cannot provide a guarantee in these cases.

If coolants are mixed, we refuse to assume the warranty for the cooling system (pump, heat exchanger, etc.).