

Set-up & Care Instructions for MOTOREX COOLANT-F



I. Recommended procedure for the first startup of a cooling system with MOTOREX COOLANT-F

- **Flush the system for at least 2 hours with the following mixture:**

- **5% MOTOREX COOLANT-F**
- **3% MOTOREX SWISSCARE SC**
- **92% WATER**

This mixture can be used up to 3 times, assuming that it goes directly from one cooling circuit to the next without storage in between.

Attention: We strongly discourage storing the mixture for later usage! The mixture could get contaminated with fungi and/or bacteria if exposed to it.

II. Preparing and mixing of MOTOREX COOLANT-F

- Fill the tank with water and add 5% (+/- 0.5%) of MOTOREX COOLANT-F. COOLANT-F dissolves very easily, making a specific mixing procedure unnecessary. Concentration control: Use a regular refractometer and multiply reading by 1.2 = effective concentration (example: 4% reading x 1.2 = 4.8% effective concentration)
Attention: Always use water that is qualified as Drinking Water (DI, Distilled or other wise treated "industrial water" usually have higher levels of bacteria and fungi)!

III. Annual maintenance/exchange of MOTOREX COOLANT-F

- 1. Gradually add 3% of MOTOREX SWISSCARE SC into the "old" COOLANT-F in the system. Continue to run the machine for at least another 24 hours or 2-3 shifts, whichever is longer.
 2. Drain the tank and cooling system and clean tank as good as possible.
Attention: Follow all local and federal laws regarding proper disposal of old cooling solution.
 3. Fill the tank with fresh COOLANT-F Solution prepared as described under point II.
 4. MOTOREX COOLANT-F must be changed every 12 month.
 5. Shelf life of unused COOLANT-F is at least 12 month if kept in cool and dry place.
 6. Wash you hands thoroughly after handling (and/or contact) with COOLANT-F.
 7. Keep working temperature stable (ideal 20-25°C (68-75°F))
 8. Preventing dirt, grease, oil, food, etc. from entering the system is very important!

IV. Evaporation and replenishment of MOTOREX COOLANT-F

- Adjust fluid level with water, or water/COOLANT-F mixture if concentration needs to be adjusted.

Set-up & Care Instructions for MOTOREX COOLANT-F



V. Necessary Water Quality

- **Important:** The water used with COOLANT-F must be of drinking water quality.
Attention: Water that is qualified as Softened, DI Water or Distilled Water does not guarantee that the water is free of bacteria, fungi or germs!

VI. Maintenance / Control of MOTOREX COOLANT-F

It is important to control the concentration, visual inspection and pH-value at least once a month, in order to guarantee the optimum protection of the machine/cooling system.

General rules:

The above information is subject to change without prior notification. MOTOREX AG, or any of its affiliates do not accept any responsibilities for damaged systems, caused by contaminated systems, improper and/or neglected maintenance or usage of contaminated water.

MOTOREX AG Langenthal, October 2006 / Daniel Schmid