



Technical Information on Water Chemistry

Application:

EKOFACT® F100L is used as a heat transfer medium in heat pump systems and in many parts of the food industry.

Chemical characterization (Substance class):

Aqueous solution based on 1,2-monopropylene glycol with anticorrosion additives.

Label in accordance with Regulation (EC) No. 1272/2008:

No hazardous product as specified in Directive (EC) no. 1272/2008

No label elements needed within the meaning of Directive (EC) no. 1272/2008

Signal Word: Not needed

Physical and Chemical Properties:

EKOFACT® F100L is an excellent heat transfer medium and performed a dual function. At the desired brine temperature, the aqueous solution must remain liquid and at the same time protect the metals of the cooling system from corrosion. This antifreeze action is based on monopropylene glycol, which with its high boiling point of about 187 °C prevents loss by evaporation.

Characteristics:

- Appearance: transparent, light blue liquid
- pH-Value: approx. 9 (at 20 °C and 300 ml/l)
- Density: approx. 1,04 g/cm³ (at 20 °C)
- Solubility: miscible in water
- Storage: see Safety Data Sheet, section: 7

Dosage:

Minimal usage concentration: 25% by volume (Corresponds to frost protection of -10 °C)

Permanent usage for a wide range of temperatures: approx. -25 to +150°C (Considering the increased kinematic viscosity, even lower permanent usage temperatures are possible.

Analytics:

Can be detected photo metrically or carried out as rapid test set.

Environmental Practice:

EKOFACT® F100L can be controlled discharged into the municipal sewer system in compliance of use with the proper concentration from 25-38%. (Consultations with the local authorities are required!)

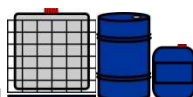
Storage/Expiry Date:

Store in cool, dry conditions in well-sealed receptacles. Protect from heat, direct sunlight and frost. Only in keep the original container or an approved alternative container, which was made from a compatible material. Do not store in unlabeled containers. Store away from pharmaceuticals, foodstuffs and animal feeds.

24 Month at the recommended storage temperature range: 5 °C to 35 °C (41 °F to 95 °F)

Packaging Types:

1.050kg IBC/220kg Drum/30kg Can



The information contained herein relates only to the named product. However, you can no longer apply if the product is used together with other materials or in any process. This information is based on the present state of our knowledge, however, offers no assurance of product properties and establishes no contract legal rights. Moreover, not to be considered, reliability and completeness is given. The user should satisfy themselves, that all statements are suitable and complete for its particular use. Date of issue: 1.0 from 22. February 2016 • EKOFACT® is a registered trademark of EKOF Mining & Water Solution GmbH • Our general terms of sale and delivery apply.

EKOFACT® F100L

Heat Transfer

For many years we are engaged intensely in the meaningful and sustainability use of biocides and specialty chemicals which affect the water balance and are thus able to determine the process which best suits your specific needs.

We will be pleased to make you an offer tailored to your needs.

Your contact partner:

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Always use chemicals safely.

Read the Material Safety Data Sheet and Technical Data Sheet before use.

The Material Safety Data Sheets (MSDS) provide relevant and practical recommendations for the safe handling of our products at work, transport and environmental protection. They also include information and data from which these recommendations are derived.



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