

KOROSIN H₂O

according to VDI directive 2035 with demineralized water



Product description:

KOROSIN H₂O is a concentrate corrosion protectant for water-using systems that protects against corrosion and deposits. KOROSIN H₂O is a clear, yellowish liquid.

Product properties and applications:

KOROSIN H₂O is a highly developed corrosion protection mixture, free of borate, phosphate, amines and nitrites.

KOROSIN H₂O is based on an aqueous solution of inhibiting salts. The application concentration should be between 1% und 2%, depending on the application and load.

Add the concentrate slowly to the circulating system.

Use only glycol-resistant sealing materials!

Physical characteristic values:

Appearance:	clear liquid
Colour:	slightly yellow
Density (20°C):	1.125 g/cm ³
Mixable with water:	in every ratio
Freezing point:	-10°C
Storage stable:	approx. 12 months

Packaging:

Net weight:

Filling volume:

Canister	10 kg	8.9 litre
Canister	20 kg	17.8 litre
Canister	35 kg	31.0 litre
Drum	240 kg	213.0 litre
IBC	1.125 kg	1000.0 litre

Corrosion data:

(at a concentration of approx. 2%)

Material	g/m ² with inhibitor (water)	g/m ² without inhibitor (water))
Copper	0.8	1
Soft solder	1.4	11
Brass	1.6	1
Steel	1.1	76
Grey cast iron	1.9	192
Aluminium	1.3	5

The corrosion data of pure VE water are again considerably poorer than those of normal town water!

Analytics:

Please send a 0.5 litre sample of your brine to our service laboratory to check the corrosion protection content.

Safety-related notes:

Please observe the usual protective measures for handling chemicals when handling KOROSIN H₂O.

Further notes and regulations can be found in the EC Safety data sheet according to 1907/2006/EG.

Ecology and toxicology:

KOROSIN H₂O is not toxic and is bio-degradable.

KOROSIN H₂O is subject to labelling with  Signal word: Warning

German water hazard class (WGK): 1, slightly hazardous to water (according to VwVwS)
[German Administrative Regulation on the Classification of Substances Hazardous to Waters into Water Hazard Classes]

Shipping, storage and disposal:

KOROSIN H₂O is shipped in the above-mentioned packaging units. All packaging units are reusable. Please empty completely before returning.

Frost sensitive as of -8 °C.

KOROSIN H₂O remains stable when stored (at least 12 month). Store in a dry place in the original packaging. Avoid direct sunlight. Observe the respective, applicable regulations on disposal.

Calculation software:

We provide calculation software on our Internet page www.prokuehlsole.de so that you can calculate the thermodynamic values of our coolant and heat carriers.

You can also find all data sheets and safety data sheet of our products on our Internet page.



Service and monitoring:

Please send us a sample of 500 ml about 4-6 weeks after filling for the first time and then 1-2 times a year so that we can conduct a free check. We will provide you an analysis report with the results and the resulting assessment.

This also forms the basis of our guarantee. We will send you a sample bottle on request.

Further products from pro KÜHLSOLE GmbH:

In technical cooling and heating systems we recommend GLYKOSOL N as a heat carrier on an ethylene glycol basis. For applications in food-processing companies we recommend PEKASOL L in combined cooling and heating systems as a heat carrier based on propylene glycol. As a coolant for food –processing companies and technical cooling systems, we recommend [®]PEKASOL 2000 based on organic salts. For solar plants and straight heating systems [®]PEKASOLar 100 based on propylene glycol with thermostable corrosion protectants.

Technical consulting:

We are happy to assist you in our sales office should you wish an individual consultation. Our sales partners are also happy to advise you. We will gladly provide you the contact details of our competent partner in your area.

The information in this data sheet represents our current state of knowledge and informs about product characteristics and the resulting potential applications. It does not guarantee the characteristics for specific applications. The information provided here does not constitute a legally binding warranty for the respective application purpose. Our quality management ensures the flawless quality of our products in accordance with DIN ISO 9001. Any property rights and existing legal regulations must be observed.

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