



HYDROLUBRIC 120 HV

Data Sheet

HYDROLUBRIC 120 HV is a synthetic concentrate for hydraulic systems. It performs lubricating and rust preventive characteristics which make it an excellent substitute of soluble and emulsifiable oils in water hydraulic systems.

According to the type of application HYDROLUBRIC 120 HV is normally used at concentrations ranging 2–5% in common water and does not present any explosion and/or fire risks.

At this concentration range, the polarity of the synthetic components provides a film on metal surfaces which effectively reduces friction coefficient and protects against aqueous corrosion.

HYDROLUBRIC 120 HV is easily soluble in water, does not contain oil and does not leave rubber residues.

CHEMICAL-PHYSICAL CHARACTERISTICS	
Concentrate	
Appearance liquid	Limpid
Colour	Blue
Specific gravity at 15.5°C	1.060
Mineral oil content	Absent
Solution	
Appearance	Transparent
pH [at 5% in distilled water]	9.3 - 9.8
Protection against corrosion [DIN TEST 51/360/2]	2% Pass

HYDROLUBRIC 120 HV has been proven to be fully suitable in central hydraulic accumulator systems, hydraulic systems of presses, converters, smelting furnaces and hydraulic system for use with high water content fluids.

CONCENTRATION

Good concentration determination can be obtained with a portable refractometer [factor 2.1].

More precise determination can be achieved by using the following method:

1. take 50 cc. of solution, add 50 cc. of acetone and a few drops of methylorange indicator
2. titrate to colour change with 0.1 N HCl and record cc. of titrant

$$\% \text{ HYDROLUBRIC 120 HV} = \text{cc. } 0.1 \text{ N HCl} \times 0,24$$

STORAGE

HYDROLUBRIC 120 HV maintains its chemical-physical and technical characteristics if stored in a sheltered place at temperatures ranging -5°C – 40°C for a maximum period of six months.

HEALTH & SAFETY

No toxic or carcinogenic, teratogenic or mutagenic known materials are contained in HYDROLUBRIC 120 HV such as nitrosamines, phenols, polichlorinated diphenyl, heavy metals, polinuclear hydrocarbons.

WASTE TREATMENT

HYDROLUBRIC 120 HV is readily dispersible in water. It contains no oil and does not form oil-slick when dispersed into public waters. Since HYDROLUBRIC 120 HV is a biodegradable material, it offers obvious advantages in handling and disposal.

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