

YUSHIRON QUENCH AQUATENSID

Characteristic

YUSHIRON QUENCH AQUATENSID is a water base quenching agent developed by Petrofer, a German fluid/oil manufacturer, and has been widely supplied to many industries such as car manufacturers and steel manufacturers.

- ✧ Superior cooling property and will obtain sufficient hardness without cracks and distortion.
- ✧ No hazard of fire
- ✧ Excellent rust preventability and bacteria resistance
- ✧ Low influence to human body

Application

YUSHIRON QUENCH AQUATENSID can be applied to heat treatment of various materials by diluting with water.

Examples

- ✧ Casting and quenching of carbon steel and low alloy steels
 - bolts, nuts, washer.
 - balls and rolls of bearings
- ✧ Castings of carbon steels and low alloy steels
- ✧ High frequent induction hardening and flame hardening by spray
- ✧ Heat-treatable aluminum alloys
 - Sheets and profiles after liquid treatment, molded and forged work parts

Recommendations for suitable concentrations for tank quenching

Carbon content	Recommended concentration
Low alloyed steels carbon steels:	
Carbon content 0.30-0.50%	3 – 8%
Carbon content 0.50-0.70%	10 – 15%
Alloyed steels:	
0.30-0.5 %C	12 – 25%

Chemical and physical data

Appearance:	green	visual
Viscosity (20°C):	700mm ² /sec	DIN 51562
(40°C):	298mm ² /sec	DIN 51562
(50°C):	213 mm ² /sec	DIN 51562
Specific gravity (20°C):	1.10 g/cm ³	DIN 51757
pH-value (5%,25°C) :	8.9	DIN 51369
(conc.):	9.7	DIN 51369

Packing:

Steel Drum

Net Weight: 200 kg/Drum

Only valid in combination with EC-Safety-Data-Sheet.

Warranty

The information given here is considered to be correct and is offered for your consideration, investigation and verification. No warranties are expressed or implied since the use of our products is beyond our control. Statements concerning the use of PETROFER-products are not to be constructed as recommending the infringement of any patent.

08.06.2012

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地址: 上海市浦东新区江东路 1726 弄 149-159 号 电话:021-6093 6188 传真:021-6093 6205
PETROFER CHEMIE · Römerring 12-16 · D-31137 Hildesheim · Phone +49 (0)5121/7627-0 · Fax +49 (0)5121/54438
<http://www.petrofer.com> <http://www.petrofer.com.cn/>