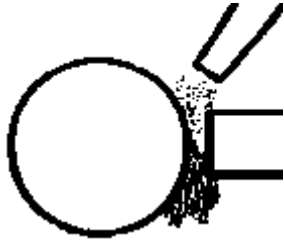


MOLYDUVAL

Aqualub 80



High Performance Grinding Fluid

MOLYDUVAL Aqualub 80 is an universal usable, soluble, synthetic grinding fluid formulated to provide a long sump life and excellent surface finish. MOLYDUVAL Aqualub 80 should be diluted with water for excellent cooling properties. It reduces the friction while keeping a lubricant film between the tool surface and the workpiece. It is usable for high precision individual and for modern high speed grinding machinery.

PROPERTIES of the cooling and lubrication solution

- mineral oil free
- excellent corrosion protection
- microbiologic resistant
- no foaming
- universal usable
- transparent liquid, good view of the workpiece
- chlorine-free and sulphur-free
- do not cause dangerous misting, nor smoke

APPLICATIONS

- for all grinding operations
- for grinding operations where workpiece temperature must be as low as possible
- for grinding operations with exact surface diagnosis
- for all types of grinding wheels, wet abrasive belts and abrasive cut-off wheels

HOW TO USE

For preparation mix MOLYDUVAL Aqualub 80 with water before being used as cooling lubricant. The following mixtures guarantees optimal cooling and lubrication:

- steel grinding 1:30 to 1:50
- cast iron grinding 1:20 to 1:30

For controlling the concentration of the solution use a refractometer ! The measured scale-value (BRIX) has to be multiplied with 1,2, being the characteristic factor for MOLYDUVAL Aqualub 80. The result is the concentration in %.

TECHNICAL DATA	Specification	Unit	
Color Concentrate			yellow
Color Grinding Solution			clear
Viscosity, 40C		m ² /s	50
Density, 20°C	DIN 51757	g/ml	1.145
pH value 1:80			9.3
Refraktometer Factor Brix			1,6
Corrosion Protection	DIN 51360	Grade	0

For more information call +49 2102 9757-28 or contact us at <http://www.molyduval.com>

The technical information in this technical data sheet represents our present knowledge.

Because of complexity of tribological systems it does not form part of any sales contract as guaranteed properties of the delivered material.