

Molylub SynGrind HS

(Art No. S-4100)

mineral oil-free, water soluble HS steel grinding coolant concentrate

Molylub SynGrind HS is a water soluble metalworking coolant concentrate for grinding operations of High Speed alloyed and unalloyed steel, sharpening of HSS bits, HSS lathe tools

Due to specially chosen polar lubricity improves the product can also be used for machining of aluminium and yellow metal.

Product profile:

- free from boric acid, amine containing coolant concentrate

Product properties / advantages:

- improved tool life due to well-balanced additives
- good load carrying capacity
- good filtration properties

Technical data:

Concentrate		Solution		
Kin. viscosity at 20 °C [mm ² /s]	Mineral oil [%]	pH at 5 %	Corrosion protection DIN 51360/2	Refractometer factor [%/°Brix]
79	0	7.5	7 % - note 1 (traces of staining)	1.5

Application:

Grinding and sharpening of HSS bits, HSS lathe tools

Remarks:

Correct preparation of a fresh solution is ensured by slowly pouring the concentrate into water while stirring continuously. Alternatively, an automatic mixing device may be used.

The recommended concentration depends on the application and the materials to be machined:

HSS grinding : 7 % - 12 %

The concentration of the in-use solution may be checked using a refractometer. The refractometer reading must be multiplied by the refractometer factor to arrive at the concentration.

When intending to machine aluminium or yellow metal alloys, we suggest checking in advance the tendency of the alloy to stain. When necessary add biocide to the solution in use.

Shelf life / storage conditions:

stable for 12 months when stored at a temperature of 5 °C to 40 °C in unopened containers

Comments:

Minor variations in colour and appearance are possible due to the raw materials chosen. However, these have no influences on the functionality of the product.

All information on safe and proper handling can be found on the MSDS.

Stand / Last update 23.09.2014

Der Inhalt dieses Merkblattes hat beratende Funktion. Verbindlichkeiten und Ansprüche irgendwelcher Art können daraus nicht abgeleitet werden. Die Kenndaten sind Richtwerte, aber keine Spezifikationsdaten. Wir behalten uns das Recht vor, die Inhalte dieses Dokuments unangekündigt zu ändern.

The technical data are representative values. All recommendations are without obligation. We reserve the right to change the contents of this document without prior notice.