

HOSMAC - S 805.5

Mineral Oil Based Metal Working Fluid Concentrate

Product Information

HOSMAC - S 805.5, a high performance metal working fluid is designed for the machining of steel, grey-cast iron and non-ferrous metals. It is especially suited for gun-drilling, broaching, stamping and deep-drawing operations.

HOSMAC - S 805.5 contains severely hydro-treated base oils with low aromatic content. Natural fatty components and oils provide lubrication and reduce wear. Organic corrosion preventives protect machines, tools and work piece. Selected anionic and non-ionic emulsifiers create translucent emulsions with superior stability.

Recommended concentration of **HOSMAC - S 805.5**

medium machining	4 – 6%
heavy machining	7 – 12%
stamping, drawing and deep-drawing	7 – 15%

To produce a stable emulsion, it slowly has to be added to the necessary amount of tap water and stirred thoroughly. Automatic mixing devices should preferably be used.

Work piece produced with **HOSMAC - S 805.5** can easily be degreased with conventional alkaline industrial cleaners. Please refer to our Purgon industrial cleaner product line for the perfect solution.

Physical Properties

Concentrate

Appearance	yellow, medium viscous liquid
Specific gravity 20°C	980 kg/m ³
Viscosity 20°C	340 mm ² /s

Emulsion

Appearance	translucent
pH-Value 2 – 10%	9.2 – 9.3

Factor to determine the concentration

Emulsion breaker	1.5
Refractometer	1.0

Storage

During storage **HOSMAC - S 805.5** should not be exposed to temperatures below 0°C or above 40°C. Large temperature fluctuation also has to be avoided. It should be brought to room temperature prior to usage.

Health and Safety

Please refer to the Material Safety Data Sheet for complete information.

Disclaimer

All statements, technical information and recommendations contained in this Product Information, tests and data unitech believes to be reliable, but the accuracy or completeness is not guaranteed.

unitech warrants unitech products will be free from defects when shipped to the customer. unitech's obligation under this warranty shall be limited to replacement of product that proves to be defective. To obtain replacement the customer must notify unitech of the claimed defect within six month after shipment of product to the customer. unitech shall have no liability for any injury, loss or damage arising out of use of or inability to use the products.

Before using, user shall determine the suitability of the product for its intended use, and user assumes all risk and liability whatsoever in connection therewith.

No representation or recommendation not contained in this product information shall have any force or effect unless it is a written document confirmed by unitech.

unitech Kühlschmierstoffe GmbH

Röntgenstraße 7, D-57439 Attendorn Phone: 011 49 2722 9376 0 Fax: 011 49 2722 93 76 76

E-mail: info@unitech-kss.de Web site: <http://www.unitech-kss.de>

02/2004