

HOSMAC - S 558 US

Mineral Oil Based Metal Working Fluid Concentrate

Product Information

HOSMAC - S 558 US a high performance metal working fluid is designed for the machining of non-ferrous metals, especially aluminum. It is suited for turning, drilling, milling, grinding and broaching operations and may also be used for the machining of steel and cast iron.

HOSMAC - S 558 US contains 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.

The recommended **HOSMAC - S 558 US** concentration emulsified in water is 3 – 5% for grinding operations and 5 – 12% for turning, drilling, milling and broaching operations. To produce a stable emulsion, the concentrate has to be added slowly to the necessary amount of tap water and stirred thoroughly. Automatic mixing devices should be used preferably.

Work piece produced with **HOSMAC - S 558 US** can be easily 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	920 kg/m ³
Viscosity 20°C	190 mm ² /s

Emulsion

Appearance	translucent, slightly milky
pH-Value 2 – 10%	9.2 – 9.4

Factor to determine the concentration

Emulsion breaker	1.3
Refractometer	1.0

Storage

During storage **HOSMAC - S 558 US** should not be exposed to temperatures below 0°C or above 40°C. Large temperature fluctuation has also to be avoided. It should be brought to room temperature prior to usage.

Health and Safety

Please refer to 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 Lubricants America Inc.
605 Colby Drive
Waterloo, Ontario N2V 1A1
Canada
02/2003

phone: 519-489-0414
fax: 519-489-0415
e-mail: unitech_lubricants_america@rogers.com
website: <http://www.unitech-kss.de>