

HOSMAC - ONS 2039 US

Boron-free Synthetic Metal Working Fluid Concentrate

Product Information

HOSMAC - ONS 2039 US, 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 grinding operations.

HOSMAC - ONS 2039 US contains our advanced additive technology to provide increased tool life and superior surface quality. Organic and inorganic corrosion preventives protect machines, tools and work piece.

HOSMAC - ONS 2039 US is suitable for most water qualities and provides a low-foaming coolant. The solution usually rejects tramp oils and does not leave a heavy, sticky residue on parts and machines.

In most cases, 3 – 6% **HOSMAC - ONS 2039 US** will be dissolved in water. To produce a stable, clear solution, it slowly has to be added to the necessary amount of tap water and stirred thoroughly. Automatic mixing devices should be used preferably.

Work piece produced with **HOSMAC - ONS 2039 US** can easily be degreased with conventional alkaline industrial cleaners. For best results, please refer to our PURGON industrial cleaner product line.

Physical Properties

Concentrate

| | |
|-----------------------|---------------------------|
| Appearance | clear, low viscous liquid |
| Specific gravity 20°C | 1120 kg/m ³ |
| Viscosity 20°C | 40 mm ² /s |

Solution

| | |
|------------------|--------------------|
| Appearance | transparent, clear |
| pH-Value 2 – 10% | 9.0 – 9.2 |

Factor to determine the concentration

| | |
|---------------|-----|
| Refractometer | 1.4 |
|---------------|-----|

Storage

During storage **HOSMAC - ONS 2039 US** 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>

04/2003