

MSA - AD 412

Additive Package for Neat Oil Metal Working Lubricants

Product Information

MSA - AD 412 is a low viscous high performance additive package for the formulation of neat metal working oils for the machining of steel. It is also designed to reconstitute used metal working oils after reclamation.

MSA - AD 412 contains severely hydrotreated base oils with low aromatic content, natural and synthetic fatty components, partially sulphurized esters and phosphorous additives. It contains no chlorine or zinc. The balanced additive combination provides lubrication and reduces wear.

MSA - AD 412 provides an easy and effective solution to increase the performance of neat oil metal working lubricants or to reconstitute used lubricants.

Work piece produced with lubricants containing **MSA - AD 412** can be easily degreased with conventional alkaline industrial cleaners. Please refer to our Purgon industrial cleaner product line for the perfect solution.

Technical Data

Appearance	yellow low viscous liquid
Specific gravity 20°C	920 kg/m ³
Viscosity 40°C	16 mm ² /s
Flash point (COC)	150°C (302°F)

Storage

During storage **MSA - AD 412** 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 and 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.

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