

MSA – ZM 145

Cutting Fluid

Product Information

MSA – ZM 145 is a neat cutting fluid designed for machining, stamping and drawing of steel and non-ferrous metals, especially aluminum alloys. It is preferably recommended for stamping and drawing operations of those materials. MSA – ZM 145 can also be used for machining aluminum alloys like the production of alloy wheels. Its synergistic additive combination delivers excellent surface quality and extended tool life.

MSA – ZM 145 contains isoparaffinic hydrocarbons with low aromatic content, narrow boiling range and neutral odour in combination with lubricating agents based on natural oils and greases.

MSA – ZM 145 is ready to use and can be applied by dipping, rolling or spraying to the work piece. Parts produced with MSA –ZM 145 can be degreased with regular technical cleaners. Depending on the shape of the work piece and the type of application process it is often possible to reduce or even skip following cleaning operations.

Physical Properties

Appearance	light yellow, low viscous liquid
Specific gravity 20°C	860 kg/m ³
Viscosity 40°C	13 mm ² /s
Flashpoint	70 °C

Storage

During storage **MSA – ZM 145** should not be exposed to temperatures below 0°C or above 40°C. Large temperature fluctuation should also be avoided.

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.

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