

## Molylub Microcut Bio 32

Art.: O-3450

Minimum Quantity Lubrication metal working oil – not water-miscible, free from mineral oil

**Description:** Preparation of synthetic fatty acid esters as high-performance cutting oil formulated to excel in high production rate conditions with minimum quantity application setup. It offers extremely low mist and smoke benefits to optimize worker acceptance.

**Technical Data:**

Appearance:	clear, light yellow liquid
Density at 20°C:	934 kg/m <sup>3</sup>
Kin. viscosity at 40 °C:	38,0 mm <sup>2</sup> /s
Flash point (COC/DIN EN ISO 2592):	> 240 °C
Pour point:	< -25 °C

**Application:** The product is used undiluted. It can be used generally for all cutting (e.g. turning, milling, drilling, threading, broaching, pushing) and non cutting (e.g. punching, drawing, precision blanking, bending) machining processes. The product reaches good tool life and work piece surfaces because of its big portion of AW/EP-additives. Therefore it is an alternative for chloric metal working liquids in some cases. The product can be used for the machining of all iron and non iron materials as aluminium and copper. The application on the machining place can occur by spraying and flooding. It can be used for brush lubrication as well because of its viscosity.

**Advantages:**

- Superior lubricity maximizes feed rates and improves productivity
- Reduces chip welding so tools maintain a free cutting surface
- Minimizes mists to maximize operator acceptance and eliminate the need for smog hog equipment
- Safe for all metals
- High polarity allows for uniform surface coating virtually eliminating formation of rust on parts and machines
- Reduces smoke
- Produces clean, dry chips for the recycling process
- Eliminates need for precise mixing and temperature control.
- Will help your business comply with ISO-14000
- Minimizes disposal costs

**Remarks:** The product is made up of natural fatty acid derivatives and can be assigned to the "Wassergefährdungsklasse" (National regulations, Germany), WGK 1 (self assessment). Do not allow to enter into surface water or drains.