

# Product Data Sheet



Cut10/10EP/09-1

## Binol Cut 10, 10EP

Binol Cut 10 and 10EP are environmentally acceptable vegetable oil-based cutting oils. They are neat cutting oils designed for grinding, honing, super-finishing, reaming and cutting operations. Suitable for grinding in high speed steel, hardened stainless steel, hard metal with grinding wheels in materials like ceramics, boron nitride (CBN) and diamond.

Binol Cut 10 is used in the automotive industry for pressing of ferrous materials, galvanized and non-galvanized, as well as aluminium alloys.

Binol Cut 10EP is recommended for heavy duty machining operations such as deep hole drilling and stamping.

### Physical and Chemical Data (typical)

Analysis	Method	Unit	Cut 10	Cut 10EP
Viscosity at 40°C	ISO 3104	mm <sup>2</sup> /s	10,8	11,0
Viscosity at 20°C	ISO 3104	mm <sup>2</sup> /s	22,1	22,0
Density at 20°C	ISO 3675	kg/m <sup>3</sup>	880	886
Colour	Optical		yellow/red	yellow/red
Smell	Nasal		rapeseed related	rapeseed related
Freezing Point	Own	°C	-8	-8
Flash Point	SS 150202	°C	206	196

### Health and Safety Data

Analysis	Method	Unit	Cut 10	Cut 10EP
Oral toxicity	OECD 401, LD <sub>50</sub>	mg/kg	> 2 000	> 2 000
Skin irritation	OECD 404	-	non irritating	non irritating
Biodegradability	OECD 301B	-	readily biodegradable	readily biodegradable

### Handling

- **Storage**

Handling and storage temperatures +5°C to +40°C. Storage in closed container, preferably in the original package.

- **Packaging**

Drums at 200 l, plastic container at 20 l. Bulk and IBC on request.