

# Neat Cutting Oil

Technical Data Sheet | SKU: LUVI-MWF-CUT

## PRODUCT DESCRIPTION

Neat cutting oil is used in heavy machining operations for friction control, surface quality and tool life.

## PRODUCT INFORMATION

SKU: LUVI-MWF-CUT

Brand: Condat S.A

Category: Metalworking Fluids

Origin: Imported

Product Type: Neat Cutting Oil

Use: Drilling, broaching, machining

Application Area: Metalworking Process

Sectors: Automotive and Sub-Industry, Defense Industry, Fasteners Industry, Other Industrial

Production Areas

## APPLICATION AREAS

- Drilling, broaching, machining
- Metalworking Process
- CNC machining
- Cutting, drilling and grinding operations
- Processes requiring forming performance and surface quality

## KEY FEATURES

- Tool life support
- Surface quality
- Friction control
- Supports surface quality retention
- Technical basis for process stability and tool performance

## PERFORMANCE LEVEL / STANDARDS

- ISO 6743-7 L-MHD

## TECHNICAL VALUES

The technical values below must be verified against the current official brand technical data sheet.

Property | Test Method | Unit | Typical Value

Kinematic Viscosity @40C | ASTM D445 | mm<sup>2</sup>/s | To be taken from official TDS

Kinematic Viscosity @100C | ASTM D445 | mm<sup>2</sup>/s | To be taken from official TDS

Viscosity Index | ASTM D2270 | - | To be taken from official TDS

Density @15C | ASTM D4052 | g/cm<sup>3</sup> | To be taken from official TDS

Flash Point | ASTM D92 | C | To be taken from official TDS

Pour Point | ASTM D97 | C | To be taken from official TDS

Copper Corrosion | ASTM D130 | rating | To be taken from official TDS

Foaming Tendency | ASTM D892 | ml | To be taken from official TDS

## APPLICATION NOTE

Before use, check the machined material, tool type, operation severity, water quality and process concentration. Before serial use, monitor surface quality and tool performance

through a trial run.

### **STORAGE**

Store in the original closed package in a dry, cool warehouse away from direct sunlight. Close drum and canister caps after use; protect the product from water, dust and foreign matter contamination.

### **SAFETY**

Refer to the current Safety Data Sheet for safe use, handling, storage and disposal. Apply personal protective equipment and plant occupational safety instructions.

### **WARNING**

This technical data sheet is preliminary catalogue information. Final product selection must be verified with the current brand TDS/SDS documents, equipment manufacturer instructions and site operating conditions.