

# SCILIA MS 7046



*Metalworking*

**Chlorine-free neat cutting oil for heavy duty machinings and for machine tool lubrication.**

## UTILISATIONS

- **SCILIA MS 7046** is a **chlorine-free neat cutting oil dedicated to** both ferrous and non-ferrous metals and to the lubrication of various machine parts : bearings, gears, sideways.  
Precautions to take on all lubrication machine circuits: it is mandatory to use new and fresh oil for topping up.
- **SCILIA MS 7046** is widely used on cutting operations on hard and very hard steels (bearing steels), on special, stainless and refractory steels (NIMONIC and VASPALLOY) and on titanium alloys (aviation and medical applications). It can also be used on low carbon steels and copper alloys.  
Machinings lubricated: turning, screwcutting, milling, horizontal broaching, threading, tapping.

## ADVANTAGES

- **Very good antiwear and extreme pressure performances:**
  - increases the tool lifetime,
  - prevent ridging,
  - very good surface finish.  
(it contributes towards reducing production costs).
- **Avoids problems in case of lubrication oil leakages:**  
Eliminates the risk of mixing and diluting the cutting oil with the oil from the crankcase.
- **Very good behaviour on a large scale of cutting parameters.**
- **Low treatment cost** (swarf, diatomated earth, chip treatment).
- **Low mist oil formation** which improves the work conditions.

TYPICAL CHARACTERISTICS	METHODS	UNITS	SCILIA MS 7046
Appearance	-	-	Clear liquid
Colour	-	-	Yellow
Density at 15°C	ISO 3675	kg/m <sup>3</sup>	890
Kinematic viscosity at 40°C	ISO 3104	mm <sup>2</sup> /s	46
Copper corrosion	ISO 2160	-	1a
Open cup flash point	ISO 2592	°C	202
Aniline point	ISO 2977	°C	94

Above characteristics are mean values given as an information.

