

# EXSYM Cutting Oil HFE

## Mineral cutting oil

**NS-MWO-4221**  
**Metal working oils**

### Product Description and Benefits

A cutting oil based on hydro treated mineral base oils. Under addition of special mist reducing and anti-wear additives the following properties are obtained:

- high load carrying properties
- minimal tool wear
- reduced mist load in the air
- well toleration by the skin

### Application

This heavy duty neat cutting oil has to be used undeluted for machining of high alloyed, stainless, austenitic, acid and heat resistant steels. This oil shows excellent results by working with difficult operations like deep- hole drilling, tapping, shaping or shaving of gears.

**N.B.:** *There is a risk of staining of non-ferro metals.*

**EXSYM Cutting Oil HFE meets the following performance specifications:**

(no data)

### Typical Analysis

Property	Unit	Typical Value
Density at 15°C	kg/l	0,884
Viscosity 40 °C	mm <sup>2</sup> /s	22,15
Viscosity 100 °C	mm <sup>2</sup> /s	4,37
Viscosity Index		105
Flash Point COC	°C	182
Pour Point	°C	-15
Acid number	mgKOH/g	0,77

### Health and Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contract office, or via the Internet. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment. EXSYM check oil level design is trade mark of EXSYM MOBIL LTD. or one of it's subsidiaries. **More information available:**