

LUBRILIS 7221

Multipurpose Emulsion

MINERAL BASE

DESCRIPTION

LUBRILIS 7221 is a water soluble metalworking fluid concentrate dedicated for general machining of copper alloys, cast iron, steel and standard aluminium alloys. Thanks to its special formulation, **LUBRILIS 7221** is particularly effective when high lubrication level is needed.

BENEFITS

- Excellent lubricating and cooling properties
- Low foaming product
- Excellent bio stability in use
- Operator friendly
- Cleanliness of working environment

HEALTH & SAFETY

- Boron, nitrites, DEA and glycol ether free, without chlorinated and phosphorous additives
- Operator friendly: good dermatological behavior and easy to use

RECOMMENDED CONCENTRATIONS OF USE

- General machining of steel: 6-8%
- General machining of non-ferrous alloys: 6-10%
- Heavy duty machining: 8-10%
- Grinding: 5-7%

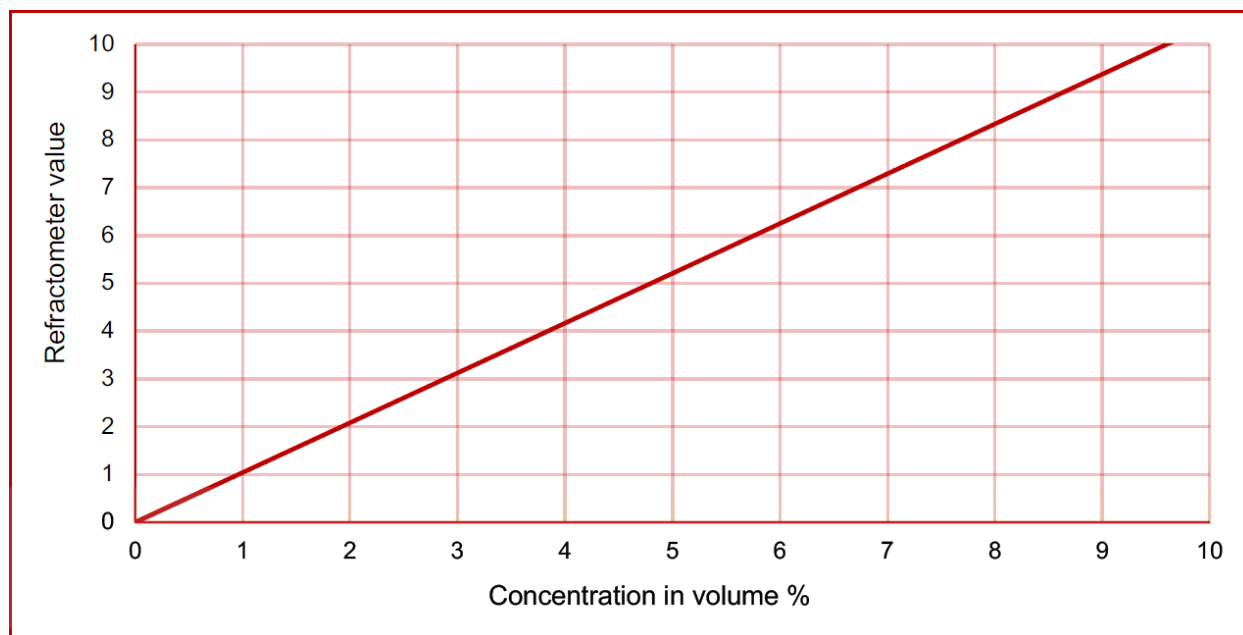
The refractometer reading must be multiplied by the refractometer factor to arrive at the real concentration.

LUBRILIS 7221 can be used for machining of aluminium and copper alloys. However, we recommend to check the tendency of the alloy to stain before use.

TECHNICAL INFORMATION

NAME	METHOD	LUBRILIS 7221
Color	Visual	Brown
Aspect		Liquid
Density at 20°C (68°F)	ISO 12.185	0.888 kg/L
Refractometer Factor		1.0
Water Hardness range recommended		150-500 ppm
Break Point Corrosion	IP 287	6 %
pH	NFT 60.193	8.8 at 5 %

REFRACTOMETER CURVE



INSTRUCTIONS

Before first fill, thoroughly clean the installation with an antiseptic such as **CONTRAM CB3**. Drain and rinse the system with water.

If no volumetric mixing system is available, slowly pour **LUBRILIS 7221** into water while stirring continuously to achieve a correct preparation of the emulsion.

To ensure the best quality of emulsion and maximize the fluid efficiency, consult the **Good Practices Handbook - Metalworking Soluble Fluids**.

SERVICES AND EQUIPMENT

In addition to its product ranges, MotulTech can provide tools and services for the maintenance and monitoring of your lubricants. Please contact your technical sales representative for more information.

RECOMMENDATIONS

All information and rules about health, safety and the environment are mentioned on the safety data sheet. It provides information about risks, safety procedures and first aid emergency rules. It clarifies all procedures to implement in the case of an accidental spillage, and for the disposal of the product and its effects on the environment.

Our product contains natural additives which are likely to modify the colour of the concentrates without altering its performance. The specifications of our products are definite only at the time of order, and are subject to our general sale and guarantee conditions. To give our customers the latest technical developments, the general characteristics of our products may vary. The safety data sheet of this product is available at www.motul.com