

## MUTURROL

Emulsifiable oil in water; developed to satisfy cutting operations such as turning, drilling, milling, drawing, cold or hot deformation, providing an ideal finish. It has incorporated special emulsifiers that give great stability to the emulsion, which is very important when working with aluminum alloys, even when it is hard water.

### USES

- Cutting operations, muturrol fulfills additional functions that make it particularly recommendable for this application.
- Lubricating function: It forms an oil wedge that reduces friction.
- Refrigerant Function: It avoids the high temperatures that originate in the cutting operation and prevents the tempering of the metal from being destroyed.
- Anticorrosive function: Prevents the highly oxidizing action of air on metals at high temperatures.
- Anti -germ Function: Prevents the proliferation of microorganisms that shorten the life of the emulsions and can be sources of infections.
- Antifoam Function: Allows the emulsion to be applied from low or high pressure jets.
- Finally, it ensures a better finish, by allowing smooth surfaces and eliminating metal shavings, preventing them from agglomerating.

They are recommended for water / oil ratios of 20:1.

### PROPERTIES

- Provides excellent lubrication of the machine tool.
- Prevents the formation of lint that could clog the nozzles or sprayers used in the textile industry.
- It is easily removed from fabrics by means of soap or detergent.
- It has great resistance to chemical deterioration whether in storage or work.
- Contributes to the safety and health of the operator by being free of nitrites and phenols. The risk of nitrosamine formation is reduced.
- Inhibits corrosion on the cutting tool, guides and other components.
- Protects against rust.
- Prevents the formation of foam.
- It is an excellent humectant and coolant.
- Forms a stable emulsion.
- Resistant to bacterial attack.

### HEALTH AND SAFETY

This product does not present a health or safety risk as long as good personal and industrial hygiene practices are maintained. In case of contact with the skin, wash immediately with soap and water.

Do not pour used oil down drains or gutters. Dispose of waste responsibly. For more information, request the Safety Data Sheet.



## TYPICAL PROPERTIES

PHYSICOCHEMICAL TESTS	UNIT	METHOD	TYPICAL VALUES
Color		VISUAL	Brown
Relative Density @ 15°C	Kg/L	ASTM D-4052	0.8816
Kinematic Viscosity @ 40°C	cSt	ASTM D-445	32
Kinematic Viscosity @ 100°C	cSt	ASTM D-445	5.3
Viscosity Index		ASTM D-2270	96
Flashpoint	°C	ASTM D-92	200
Max. Pour Point	°C	ASTM D-97	-6 Max.

The specifications are average values. In the manufactured batches there may be slight variations that do not affect the quality of the product, or the performance.

## AVAILABLE SIZES

MUTURROL
5 gallon bucket
55 gal cylinder