

CUTTING FLUID

Synthetic water soluble oil developed to satisfy the cold machining and cutting operations of ferrous and non-ferrous metals. This refrigerant has incorporated special additives that give great stability to the aqueous solution and also prevent degradation and bad odors originated in this type of system.

USES

- Cutting operation such as turning, drilling, planing, milling, grinding and cold machining of metal. It fulfills functions that are particularly recommended for this application.
- Lubricant 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 germs 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 in low or high pressure jets or by mist.
- Finally, it ensures a better finish, by allowing smooth surfaces and eliminating metal shavings, preventing them from agglomerating.
- It is recommended for water / oil ratios of 20: 1 for a better performance use Deionized Water (Vistony battery water) or water with hardness of up to 150 ppm of CaCO₃

PROPERTIES

- Provides excellent lubrication of the machine tool.
- Eliminates the heat originated by the process, avoids the burning of finished pieces.
- Better machining finish.
- High stability and durability, 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. It is biodegradable.
- Inhibits corrosion on the cutting tool, guides and other components.
- Protects against rust.
- Prevents the formation of foam.
- Translucent appearance that allows you to see the chips accumulated in the bottoms.
- Resistant to bacterial attack.

HEALTH AND SAFETY

This product does not present a risk to health or safety as long as good personal and industrial hygiene practices are maintained. In case of skin contact, wash immediately with soap and water. Do not dispose of residues in the sewer. Protect our environment. Avoid prolonged contact with the skin.



TYPICAL PROPERTIES

ENSAYOS FISICOQUIMICOS	UNIDAD	VALORES PROMEDIO
Oil color	Visual	Translucent Green
Kinematic Viscosity @ 40 ° C	cSt	10.0
Emulsion stability, 5%	v / v in hard water	24h. Minimum
Emulsion pH	5% v/v	8.0 – 9.5
Specific gravity @ 25 ° C		1.050
Water solubility		Translucent soluble

In the batches manufactured there may be slight variations in the average values, which do not affect the quality or the performance of the product.

AVAILABLE SIZES

CUTTING FLUID
5 gallon bucket
55 gal cylinder