



Emulsifiable, Multi-purpose Metal Cutting Fluid

Description

It is a multi-purpose metal cutting fluid used as solution prepared by adding into water in 5-10% percent for machining (cutting and grinding) operations.

Application

It is suitable for use as lubricant and coolant light and heavy machining operations of the metals like aluminum and copper alloys, soft and cast iron (machining operations) and drawing of aluminum bars (non-machining operations). It provides excellent cooling.

Warning: The addition of the oil into the water during the emulsion preparation should be made slowly while the system water is in circulation. In no case the water is added into the oil. Before new emulsion preparation, the water tank should be completely emptied and cleaned thoroughly and the emulsion in a suitable concentration prepared in a separate tank should be added into the system.

Benefits

- Extends the service life by preventing bacteria reproduction.
- Reduces scraps by extending tool's service life.
- Controls the chip welding on heavy machining operations, ensures the surface to be smooth and acceptable.
- Maintains its performance even with hard waters by formation of stable emulsion.
- Prevents emission of smoke and odor.
- Protects the system against rusting and corrosion.

Typical specifications*		
Density, @ 15°C g/ml	ASTM 4052	0.885
Flash Point, COC, °C	ASTM D 92	-
Kinematic Viscosity at 40 °C mm ² /s at 100 °C mm ² /s	ASTM D 445	25.08 -
Viscosity Index	ASTM D 2270	-
Pour Point, °C	ASTM D 97	-

* Values are changeable according to production.

Packing	
Tin Can	15 kg
Drum	180 kg



Health, Safety and Environmental Information: It has no harmful effect to human health as long as it is used in accordance with its purpose and instructions announced. One's own precaution is generally enough to avoid any harm. Continuous contact with the product requires wearing special type of protective gloves made up of neopren or nitrile. In case of prolonged contact with such lubricants, there may exist some erythema on responsive type of skin. In such cases, contact should be finished as soon as possible and the skin area should be rinsed out by clear water and soap. If the erythema does not disappear, professional help from a doctor should be demanded. Used lubricants must never be disposed to territory or water drain and ducts. They should be destroyed according to the environmental rules and instructions after locating them at a predecided point. For further information please apply to Material Safety Data Sheets (MSDS).

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