

RELIACUT FM 10

Non-chlorine Fat-based Anti-mist-reinforced Non-water-soluble Cutting and Grinding Fluid

RELIACUT FM 10 is a chlorine-free fat-based anti-mist-reinforced type non-water-soluble cutting fluid blended with the new oiliness agent and mist inhibitor. **RELIACUT FM 10** is the fluid in consideration of the work environment and workability such as odor and color, which can be used for light cutting and grinding of a wide range of materials such as non-ferrous metal, low-carbon steel and low-alloy steel.

● Special Features

1. Excellent Cutting and Grinding Performance

Because **RELIACUT FM 10** is formulated with highly refined low viscosity base oil and special oiliness agent, it can improve the accuracy in finishing process by the well balanced cooling performance, permeability and processing performance.

2. Excellent Anti-mist Performance

RELIACUT FM 10 contains special mist inhibitor that suppresses oil mist generated during the machining, thus improves the working environment.

3. Low Odor

Since the additives of **RELIACUT FM 10** are low odor, the work environment is improved.

4. Visualization of the Machining Point

The machining point can be seen easily, because of the reduced floating mist and thin fluid color on the machining point.

5. Superior in Economy

Since the amount of fluid consumed by adhering to the work-pieces and chips is reduced, **RELIACUT FM 10** is economically advantageous due to its low viscosity.

● Applications

General cutting*: non-ferrous metal

* Lathing, drilling, milling

Light-cutting: cast iron, low carbon steel,
low-alloy steel, etc.

● Containers

200-liter drum, 20-liter can

● Typical Properties of RELIACUT FM 10

Appearance		Light yellow
Color(ASTM)		L0.5
Density(15°C)	g/cm ³	0.845
Kinematic viscosity(40°C)	mm ² /s	7.98
Kinematic viscosity(100°C)	mm ² /s	2.40
Flash point(COC)	°C	164
Pour point	°C	-25
Acid number	mgKOH/g	0.03
Copper corrosion(100°C, 1h)		1
Fatty content	mass%	5
Sulfur content	mass%	0.12

Note: The typical properties may be changed without notice. (February 2012)



Handling Precautions

▼ Follow these precautions when handling this product.

Composition :	Base Oil, Additives
Precautionary pictograms:	
Signal word:	Danger
Hazard Statement:	May be fatal if swallowed and enters airways
Precautionary Statements:	
Prevention	<ul style="list-style-type: none">• Do not handle until all safety precautions have been read and understood.• Wear protective gloves/protective clothing/eye protection/face protection.• Do not allow the eyes to become exposed to the product. Do not swallow the product.• Wash hands thoroughly after handling.• Do not eat, drink or smoke when using this product.
Response	<ul style="list-style-type: none">• IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.• IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.• If the eyes are exposed to the product: Rinse the eyes with plenty of running water and immediately contact a physician.• IF ON SKIN: Wash with plenty of soap and water.• Do NOT induce vomiting.
Storage	<ul style="list-style-type: none">• The product must be stored in a cool, well-ventilated location where it will not be exposed to direct sunlight.• Containers that have been opened must be tightly sealed.• Store locked up.
Disposal	<ul style="list-style-type: none">• Dispose of contents/container in accordance with local/regional/national/international regulations.• If there are any doubts about proper methods of handling the product, contact the point of purchase before proceeding with usage.