

RELIACUT AM10

Active Sulfur Type, Non-chlorinated Anti-mist Cutting and Grinding Fluid

RELIACUT AM10 is a chlorine-free anti-mist type cutting fluid blended with new active sulfurized extreme-pressure agents and friction modifiers. **RELIACUT AM10**, which contains far higher levels of active sulfurized extreme-pressure agents than **RELIACUT AS10**, is the ideal oil for general cutting and grinding of difficult-to-cut materials such as carbon steel and alloy steel including stainless steel. **RELIACUT AM10** corresponds to JIS K 2241 Type N4, No.8.

● Special Features

1. Excellent Cutting and Grinding Performance

RELIACUT AM10 achieves both high workability and extended tool life in cutting and grinding, because it contains new special active sulfur type extreme pressure agents and friction modifiers in highly refined base oils.

2. Excellent Anti-mist Performance

RELIACUT AM10 contains special mist prevention agents that reduce the amount of oil mist formed during machining. The result is an improved working environment.

3. Low odor

Since the additives of **RELIACUT AM10** are low odor, the work environment is improved.

4. Contribution to the viewing of the processing point

RELIACUT AM10 can enable to watch the processing point easily because of the reduced floating mist and light oil color.

5. Economical

RELIACUT AM10 which is a low viscosity oil agent is superior in economy because it reduces the consuming oil adhering to workpieces and chips.

● Applications

General-purpose cutting such as lathe, drill, milling, etc. and machining center machining for steel materials such as carbon steel, alloy steel and stainless steel.

● Containers

200-liter drums and 20-liter cans

● Typical Properties of RELIACUT AM10

Appearance		yellow~ light brown
Color(ASTM)		L2.0
Density		0.868
Kinematic viscosity(40°C)	mm ² /s	11.6
Kinematic viscosity(100°C)	mm ² /s	3.11
Flash point(COC)	°C	170
Pour point	°C	-20
Acid number	mgKOH/g	0.47
Copper corrosion(100°C, 1h)		4
Fatty content	mass%	10
Sulfur content	mass%	1.63

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:	<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.