

RELIACUT AH15

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

RELIACUT AH15 is a chlorine-free anti-mist type cutting fluid blended with new active sulfurized extreme-pressure agents and friction modifiers. **RELIACUT AH15**, which contains far higher levels of active sulfurized extreme-pressure agents, is the ideal oil for cutting of difficult-to-cut steel materials and is prepared for heavy cutting under severe conditions.

● Special Features

1. Excellent Cutting and Grinding Performance

Because **RELIACUT AH15** is blended with highly refined base oils, special active sulfurized extreme-pressure agents and friction modifiers, it provides improved finished surface roughness and longer tool life in the general machining of ferric metals.

2. Excellent Anti-mist Performance

RELIACUT AH15 contains special mist prevention agents that reduce the amount of oil mist formed during machining. The result is an improved working environment. It also contributes to make a readily visible cutting position since it is light-colored and decreasing oil mist.

3. Low odor

Since the additives of **RELIACUT AH15** are low odor, the work environment is improved.

4. Contribution to the viewing of the processing point

RELIACUT AH15 can enable to watch the processing point easily because of the reduced floating mist and light oil color.

● Applications

Lathing, drilling, reaming, boring, threading, and deep hole processing (BTA, gun drill) of difficult-to-cut materials such as high-alloy steel, heat-resistant alloy and stainless steel

Gear shaper/gear shaving process of general steel materials

● Containers

200-liter drums and 20-liter cans

● Typical Properties of RELIACUT AH15

Appearance		yellow~ light brown
Color(ASTM)		L2.0
Density		0.878
Kinematic viscosity(40°C)	mm ² /s	15.8
Kinematic viscosity(100°C)	mm ² /s	3.73
Flash point(COC)	°C	176
Pour point	°C	-20
Acid number	mgKOH/g	1.74
Copper corrosion(100°C, 1h)		4
Fatty content	mass%	5
Sulfur content	mass%	2.86

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:	Causes serious eye irritation May be fatal if swallowed and enters airways Harmful to aquatic life
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.• Avoid release to the environment.• IF IN EYES: Rinse continuously with water for several minutes.• Remove contact lenses if present and easy to do. Continue rinsing.
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.