

# 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 <sup>2</sup> /s	15.8
Kinematic viscosity(100°C)	mm <sup>2</sup> /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.

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