

# RELIACUT AM30

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

**RELIACUT AM30** is a chlorine-free anti-mist type cutting fluid blended with new active sulfurized extreme-pressure agents and friction modifiers. Since **RELIACUT AM30** contains a high concentration of sulfurized extreme-pressure agents, it can be used for general cutting and grinding of difficult-to-cut materials such as stainless steel and alloy steel. **RELIACUT AM30** corresponds to JIS K 2241 Type N4, No.8.

### ● Special Features

#### 1. Excellent Cutting and Grinding Performance

**RELIACUT AM30** 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 AM30** 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 AM30** are low odor, the work environment is improved.

#### 4. Contribution to the viewing of the processing point

**RELIACUT AM30** can enable to watch the processing point easily because of the reduced floating mist and light oil color.

#### 5. Gentle for skin roughness

Because highly refined base oil of the proper viscosity is used, **RELIACUT AM30** may prevent skin roughness.

### ● Applications

Tapping, automatic lathe processing, thread rolling processing, etc. for steel materials such as carbon steel, alloy steel, stainless steel and hardened steel

### ● Containers

200-liter drums and 20-liter cans

### ● Typical Properties of RELIACUT AM30

Appearance		yellow~ light brown
Color(ASTM)		L2.0
Density(15°C)	g/cm <sup>3</sup>	0.885
Kinematic viscosity(40°C)	mm <sup>2</sup> /s	27.7
Kinematic viscosity(100°C)	mm <sup>2</sup> /s	5.33
Flash point(COC)	°C	210
Pour point	°C	-12.5
Acid number	mgKOH/g	0.45
Copper corrosion(100°C, 1h)		4
Fatty content	mass%	10
Sulfur content	mass%	1.69

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(s), Additives
<b>Precautionary pictograms:</b>	Not applicable
<b>Signal word:</b>	Not applicable
<b>Hazard Statement:</b>	Not applicable
<b>Precautionary Statements:</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>Prevention</b>	
<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></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></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>