

RELIACUT AX25

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

RELIACUT AX25 is a chlorine-free anti-mist type cutting and grinding fluid blended with new unique active sulfurized extreme-pressure agents and several newly developed friction modifiers. It is the ideal oil for cutting, broaching, tapping and rolling of difficult-to-cut steel materials.

● Special Features

1. Excellent Cutting and Grinding Performance

Because **RELIACUT AX25** is formulated with highly refined base oils incorporating 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 AX25 contains also special mist prevention agents that reduce the amount of oil mist formed during machining. It helps to improve the working environment. It also contributes to make a readily visible cutting position due to light oil color and suppressed oil mist.

3. Low odor

Since the additives of **RELIACUT AX25** are low odor, the work environment is improved.

● Applications

* Suited for cutting, broaching, tapping and rolling of difficult-to-cut materials such as heat-resistant alloy, stainless steel and hardening steel

* Suited for automatic lathing(Peter man type) of steel materials including stainless steel

● Containers

200-liter drums and 20-liter cans

● Typical Properties of RELIACUT AX25

Appearance		light brown
Color(ASTM)		L3.0
Density		0.906
Kinematic viscosity(40°C)	mm ² /s	24.6
Kinematic viscosity(100°C)	mm ² /s	5.48
Flash point(COC)	°C	182
Pour point	°C	-15
Acid number	mgKOH/g	2.13
Copper corrosion(100°C, 1h)		4
Fatty content	mass%	10
Sulfur content	mass%	5.47

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



Handling Precautions

▼ Follow these precautions when handling this product.

<p>! CAUTION</p> <p>Handling Precautions</p>	<ul style="list-style-type: none">● <u>Inflammation can occur if oil enters the eyes.</u> When handling this oil, wear <u>protective goggles</u> or take other measures to <u>prevent eye contact</u>.● <u>Inflammation can occur if oil comes into contact with skin.</u> When handling this oil, wear <u>protective gloves</u> or take other measures to <u>prevent skin contact</u>.● <u>The inhalation of mist may cause discomfort.</u> When handling this oil, wear a <u>respirator</u> or take other measures to <u>prevent mist inhalation</u>.● Do not drink this oil. (Swallowing this oil can cause diarrhea and nausea.)● <u>Keep out of reach of children.</u>● Read the Material Safety Data Sheet (MSDS) for this product before using the product. Obtain the Material Safety Data Sheet from where you purchased the product.
<p>First Aid</p>	<ul style="list-style-type: none">● In case of eye contact, rinse eyes thoroughly with clean water and consult with a physician.● In case of skin contact, wash skin thoroughly with soap and water.● If mist is inhaled, move the person to a location with fresh air, wrap the person in a blanket, keep the person warm and quiet, and consult with a physician.● If this oil is swallowed, do not induce vomiting. Consult with a physician immediately.
<p>Disposal of Used Oil and Containers</p>	<ul style="list-style-type: none">● Do not apply pressure to empty containers. The containers may burst if pressure is applied.● Do not weld, heat, drill, or cut the containers. The remaining oil may ignite and the containers may explode.● Follow all applicable laws and regulations when disposing of used oil or containers. If you are unsure of the proper disposal methods, consult first with the seller of the oil.
<p>Storage Method</p>	<p>Seal the container tightly after use in order to prevent dirt, moisture, etc., from entering the oil. Store in a dark location. Avoid direct sunlight.</p>