

RELIACUT AH30

Active Sulfur Type, Chlorine-free Anti-mist Cutting and Grinding Fluid

RELIACUT AH30 is a chlorine-free anti-mist type cutting fluid blended with new active sulfurized extreme-pressure agents combined with new friction modifiers. **RELIACUT AH30**, which contains far higher levels of active sulfurized extreme-pressure agents than **RELIACUT AM30**, is the ideal oil for cutting of difficult-to-cut steel materials and is prepared for heavy cutting under severe conditions. **RELIACUT AH30** corresponds to JIS K 2241 Type N4, No.8.

● Special Features

1. Excellent Cutting and Grinding Performance

Because **RELIACUT AH30** is blended with highly refined base oils, new special active sulfurized extreme-pressure agents and friction modifiers, it provides improved finished surface precision and longer tool life in general machining and grinding processing.

2. Excellent Anti-mist Performance

RELIACUT AH30 contains special mist inhibitor that suppresses oil mist generated during machining, thus can improve working environment.

3. Low odor

Since the additives of **RELIACUT AH30** are low odor, the work environment is improved.

4. Visualization of the Machining Point

RELIACUT AH30 enables users to observe the machining point easily because of the light color and reduced floating mist.

5. Gentle to the skin

RELIACUT AH30 may control skin irritation and other skin problems compared to the conventional cutting fluids because it uses highly refined base oils which have proper viscosity.

● Applications

Tapping, thread rolling and automatic lathe processing of difficult-to-cut materials such as high-alloy steel, hardened steel and stainless steel

Broaching of high-alloy steel, hardened steel, etc.

● Containers

200-liter drum and 20-liter can

● Typical Properties of RELIACUT AH30

Appearance		Yellow
Color (ASTM)		L2.5
Density (15°C)	g/cm ³	0.893
Kinematic viscosity (40°C)	mm ² /s	31.8
Flash point (COC)	°C	204
Pour point	°C	-12.5
Acid number	mgKOH/g	1.74
Copper strip corrosion (100°C, 1h)		4
Fatty oil content	mass%	11
Sulfur content	mass%	2.86

Note: The typical properties may be changed without notice. (June 2023)



Handling Precautions

▼ Follow these precautions when handling this product.

Composition :	Base Oil(s), Additives
Hazard statement:	
Signal word:	Warning
Hazard Statement:	Causes serious eye irritation
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/doctor.• 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.• IF IN EYES: Rinse cautiously with water for several minutes.• Remove contact lenses, if present and easy to do. Continue rinsing.• If eye irritation persists: Get medical advice/attention.
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.
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.