

RELIACUT DH 30

Inactive Sulfur Type, Non-chlorinated Anti-mist Water-insoluble Cutting Fluid

RELIACUT DH 30 is an inactive sulfur type, non-chlorinated anti-mist water-insoluble cutting fluid that uses the new unique inactive sulfurized extreme-pressure agents and friction modifiers. **RELIACUT DH 30** has been improved in machining performance, since it is formulated with an increased amount of fatty oil content and sulfur content than **RELIACUT DM 30**. **RELIACUT DH 30** provides better machining accuracy and longer tool life during tapping and automatic lathe machining. **RELIACUT DH 30** is the ideal oil for many metalworking applications of wide-ranging materials such as non-ferrous metals (copper materials), carbon steel and alloy steel. **RELIACUT DH 30** corresponds to JIS K 2241 Type N3, No.8.

● Special Features

1. Excellent Cutting and Grinding Performance

Because **RELIACUT DH 30** is blended with highly refined base oils, new unique inactive sulfurized extreme-pressure agents and friction modifiers, it demonstrates excellent machining performance in general cutting and grinding processes where better machining accuracy and longer tool life are required.

2. Excellent Anti-mist Performance

RELIACUT DH 30 contains special mist prevention agents that reduce the amount of oil mist formed during machining. Thus, improved working environment would be obtained.

3. Low odor

Since the additives of **RELIACUT DH 30** are low odor, the work environment is improved.

4. Visualization of the Machining Point

RELIACUT DH 30 enables users to observe the machining point easily because of the reduced floating mist and light oil color.

● Applications

- Boring, shaping and gear tool grinding of non-ferrous metals and ferrous materials such as cast iron, carbon steel and alloy steel
- Broaching of non-ferrous metals

● Containers

200-liter drum and 20-liter can

● Typical Properties of RELIACUT DH 30

Appearance		Yellow
Color (ASTM)		L2.0
Density		0.888
Kinematic viscosity (40°C)	mm ² /s	31.4
Flash point (COC)	°C	208
Pour point	°C	-12.5
Acid number	mgKOH/g	1.88
Copper strip corrosion (100°C, 1h)		1
Fatty oil content	mass%	15
Sulfur content	mass%	1.9

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



Handling Precautions

▼ Follow these precautions when handling this product.

Composition :	Base Oil(s), Additives
Hazard pictograms:	
Signal word:	Warning
Hazard Statement:	Causes serious eye irritation
Precautionary Statements:	<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.
Prevention	
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.