

# RELIACUT DH 20

## Inactive Sulfur Type, Non-chlorinated Anti-mist Cutting Fluid

**RELIACUT DH 20** is an inactive sulfur type, non-chlorinated anti-mist water-insoluble cutting and grinding fluid that uses high performance, high flash point base oils and unique additive technology. **RELIACUT DH 20** has a higher flash point than popular market products of the same viscosity grade, and is suitable for machining of automatic lathes, turning and machining centers. **RELIACUT DH 20** is the ideal oil for many metalworking applications of wide range of materials such as non-ferrous metals (copper materials), steel materials and alloy steel. **RELIACUT DH 20** corresponds to JIS K 2241 Type N2, No.4.

### ● Special Features

#### 1. Excellent Cutting and Grinding Performance

Because **RELIACUT DH 20** uses highly refined base oils and uses special additive technology, it demonstrates excellent machining performance in general cutting and grinding processes.

#### 2. Excellent Anti-mist Performance

**RELIACUT DH 20** 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 20** are low odor, the work environment is improved.

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

**RELIACUT DH 20** can enable to watch the processing point easily because of the reduced floating mist and light oil color.

#### 5. High flash point

Since **RELIACUT DH 20** uses high performance, high flash point base oils, it has a higher flash point than popular market products of the same viscosity grade. For this reason, **RELIACUT DH 20** contributes to increase the quantity of hazardous materials designated by Fire Service Act.

#### 6. Friendly to machine tools

Because **RELIACUT DH 20** is formulated with less corrosive additives, it does not easily damage machine tool materials such as copper piping.

### ● Applications

Automatic lathes, turning and machining centers for steel materials including non-ferrous metals to cast iron, carbon steel and alloy steel

### ● Containers

200-liter drums and 20-liter cans

### ● Typical Properties of RELIACUT DH 20

Appearance		yellow
Color(ASTM)		L2.5
Density	g/cm <sup>3</sup>	0.857
Kinematic viscosity(40°C)	mm <sup>2</sup> /s	20
Flash point(COC)	°C	216
Pour point	°C	-20
Acid number	mgKOH/g	0.3
Copper corrosion(100°C, 1h)		1
Fatty content	mass%	25
Sulfur content	mass%	1.9

Note: The typical properties may be changed without notice. (January 2020)



## Handling Precautions

▼ Follow these precautions when handling this product.

<b>Composition :</b>	Base Oil(s), Additives
<b>Precautionary pictograms:</b>	
<b>Signal word:</b>	Danger
<b>Hazard Statement:</b>	May be fatal if swallowed and enters airways
<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>• Do NOT induce vomiting.</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>