

RELIACUT DH 20

Inactive Sulfur Type, Non-chlorinated Anti-mist Water-insoluble 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 N3, No.8.

● Special Features

1. Excellent Cutting and Grinding Performance

Because **RELIACUT DH 20** uses highly refined base oils and 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 storage 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 non-ferrous metals and steel materials (such as 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 (15°C)	g/cm ³	0.8573
Kinematic viscosity (40°C)	mm ² /s	20
Flash point (COC)	°C	216
Pour point	°C	-20.0
Acid number	mgKOH/g	0.3
Copper corrosion(100°C, 1h)		1
Fatty oil 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.

Composition :	Base Oil(s), Additives
Hazard pictograms:	
Signal word:	Danger
Hazard Statement:	May be fatal if swallowed and enters airways
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.
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.• Do NOT induce vomiting.
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.• Store locked up.
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.