

RELIACUT DS 10

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

RELIACUT DS 10 is a chlorine-free anti-mist type cutting and grinding fluid blended with inactive sulfurized extreme-pressure agents and newly developed friction modifiers. **RELIACUT DS 10**, which has the good balance of cutting performance, cooling performance and permeability(detergency) is suitable for general cutting using a machining center.

● Special Features

1. Excellent Cutting and Grinding Performance

Because **RELIACUT DS 10** is blended with highly refined low viscosity base oils, inactive sulfurized extreme-pressure agents and special friction modifiers, it delivers excellent processing performance in general cutting and grinding.

2. Excellent Anti-mist Performance

RELIACUT DS 10 contains special mist prevention agents that reduce the amount of oil mist formed through machining. The result is an improved working environment.

3. Low odor

Since the additives of **RELIACUT DS 10** are low odor, the work environment is improved.

4. Contribution to the viewing of the processing point

RELIACUT DS 10 enables workers to watch the processing point easily because of the reduced floating mist and light oil color.

5. Superior Cost Performance

RELIACUT DS 10 is superior in cost performance because it can reduce oil consumption which is removed by attaching on the work piece and cutting powder due to its low viscosity.

● Applications

General lathing and processing at machining center of non-ferrous metals and steel materials such as cast iron, low-carbon steel and low-alloy steel.

Suited for the general cutting (lathing, drilling and milling) of non-ferrous metals and steel materials.

● Containers

200-liter drums and 20-liter cans

● Typical Properties of RELIACUT DS 10

Appearance		light yellow
Color(ASTM)		L1.0
Density(15°C)	g/cm ³	0.857
Kinematic viscosity(40°C)	mm ² /s	11.8
Kinematic viscosity(100°C)	mm ² /s	3.13
Flash point(COC)	°C	178
Pour point	°C	-22.5
Acid number	mgKOH/g	0.22
Copper corrosion(100°C, 1h)		1
Fatty content	mass%	5
Sulfur content	mass%	0.61

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



Handling Precautions

▼ Follow these precautions when handling this product.

Composition :	Base Oil, Additives
Precautionary 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 or doctor/physician.• 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.