

RELIACUT DM20

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

RELIACUT DM20 is a chlorine-free anti-mist type cutting and grinding fluid formulated with high-performance base oil of high flash point and the new unique inactive sulfurized extreme-pressure agents and newly developed friction modifiers. It is suitable for general processing requiring lubricity such as tapping and automatic lathing. **RELIACUT DM20** can be used for a wide range of materials from nonferrous metals such as copper materials to carbon steel and alloy steel. **RELIACUT DM20** corresponds to JIS K 2241 Type N3, No.8.

●Special Features

1. Excellent Cutting and Grinding Performance

Because **RELIACUT DM20** is blended with highly refined base oils, inactive sulfurized extreme-pressure agents and special friction modifiers, it provides excellent machining performance in general cutting and grinding.

2. Excellent Anti-mist Performance

RELIACUT DM20 contains special mist prevention agents that reduce the amount of oil mist formed during machining. The result is an improved working environment.

3. Low Odor

Since the additives of **RELIACUT DM20** are low odor, the work environment is improved.

4. Visible Cutting Position

RELIACUT DM20 also contributes to make a readily visible cutting position since it is light-colored and decreasing oil mist.

5. High Flash Point

RELIACUT DM20 uses a high-performance, high flash point base oil and it has a high flash point compared with general viscosity products of the same viscosity grade, which can contribute to the holding quantity.

6. Gentle for skin roughness

Because highly refined base oil of the proper viscosity is used, **RELIACUT DM20** may prevent skin roughness.

●Applications

Suited for automatic lathing and tapping of non-ferrous metals and steel materials including stainless steel

●Containers

200-liter drums and 20-liter cans

●Typical Properties of RELIACUT DM20


Appearance		light brown
Color(ASTM)		L3.0
Density(15°C)	g/cm ³	0.843
Kinematic viscosity(40°C)	mm ² /s	20
Flash point(COC)	°C	220
Pour point	°C	-22.5
Acid number	mgKOH/g	0.3
Copper corrosion(100°C, 1h)		1
Fatty content	mass%	11
Sulfur content	mass%	1.2

Note: The typical properties may be changed without notice. (February 2017)



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.