

RELIACUT DM20

Chlorine-free Anti-mist Water-insoluble Cutting Oil (Inactive sulfurized extreme-pressure agents type)

RELIACUT DM20 is a chlorine-free anti-mist water-insoluble cutting oil blended with the high-performance high flash point base oil, the new unique inactive sulfurized extreme-pressure agents and friction modifiers. **RELIACUT DM20** is a general-purpose product that is suitable for general machining processes that require lubricity, such as tapping and automatic lathe operations. **RELIACUT DM20** can be applied for machining of a wide range of materials, from nonferrous metals such as copper 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, new unique inactive sulfurized extreme-pressure agents and friction modifiers, it exhibits excellent machining performance in general cutting and grinding processes.

2. Excellent Anti-Mist Performance

RELIACUT DM20 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 DM20** are low-odor, the work environment is improved.

4. Visualization of the Machining Point

RELIACUT DM20 enables users to observe the machining point easily because of the reduced floating mist and light oil color.

5. High Flash Point

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

6. Suppression of Skin Irritation

RELIACUT DM20 may suppress skin irritation compared to the conventional cutting fluids because it uses highly refined base oils with appropriate viscosity.

● APPLICATIONS

Tapping and automatic lathe machining processes for nonferrous metals and ferrous materials such as cast iron, carbon steel and alloy steel.

● CONTAINERS

200-liter drum and 20-liter can

● TYPICAL PROPERTIES OF RELIACUT DM20

Appearance			Yellow, Liquid
Color	(ASTM)		L2.0
Density	(15°C)	g/cm ³	0.845
Kinematic viscosity	(40°C)	mm ² /s	20.2
Flash point	(COC)	°C	212
Pour point		°C	-22.5
Acid number		mgKOH/g	0.38
Copper strip corrosion	(100°C, 1h)		1
Fatty oil content		mass%	11
Sulfur content		mass%	1.2

Note: The typical properties may be changed without notice. (November 2024)



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.