RELIACUT DX30

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

RELIACUT DX30 is a chlorine-free anti-mist water-insoluble cutting and grinding oil blended with the new unique inactive sulfurized extreme-pressure agents and friction modifiers. The machining performance of **RELIACUT DX30** has been improved, as it is formulated with an increased amount of fatty oil content and sulfur content compared to RELIACUT DM30. **RELIACUT DX30** is a high-performance product that balances machining performance and lubricity, achieving improved machining accuracy and extended tool life in tapping and automatic lathe operations. **RELIACUT DX30** can be applied for machining of a wide range of materials, from nonferrous metals such as copper to carbon steel and alloy steel. **RELIACUT DX30** corresponds to JIS K 2241 Type N3, No. 8.

● SPECIAL FEATURES

1. Excellent Cutting and Grinding Performance

Because **RELIACUT DX30** is blended with highly refined base oils, new unique inactive sulfurized extreme-pressure agents and friction modifiers, it exhibits excellent machining performance in cutting and grinding processes where improved machining accuracy and extended tool life are required.

2. Excellent Anti-Mist Performance

RELIACUT DX30 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 DX30** are low-odor, the work environment is improved.

4. Visualization of the Machining Point

RELIACUT DX30 enables users to observe the machining point easily because of the reduced floating mist.

5. Suppression of Skin Irritation

RELIACUT DX30 may suppress skin irritation compared to conventional cutting fluids because it uses highly refined base oils with appropriate viscosity.

● APPLICATIONS

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

● CONTAINERS

200-liter drum and 20-liter pail can

● TYPICAL PROPERTIES OF RELIACUT DX30

Appearance			Light brown, Liquid
Color	(ASTM)		L2.5
Density	(15°C)	g/cm^3	0.901
Kinematic viscosity	(40°C)	mm^2/s	30.9
Flash point	(COC)	°C	202
Pour point		°C	-10.0
Acid number		mgKOH/g	2.40
Copper strip corrosion	(100°C, 1h)		1
Fatty oil content		mass%	20
Sulfur content		mass%	2.41

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

⚠ Handling Precautions

▼ **Follow these precautions when handling this product.**

Composition :	Base Oil(s), Additives
Hazard pictograms:	⬦❗
Signal word:	Warning
Hazard Statement:	Causes serious eye irritation
Precautionary Statements: Prevention	・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	・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. ・IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. ・If eye irritation persists: Get medical advice/attention.
Storage	・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.
Disposal	・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.