

SUPER MULPUS EX

High flash point bearing cooling oil for machining tools

SUPER MULPUS EX formulated with synthetic oil, despite of its low viscosity oil, has a high flash point of 200 ° C or higher and makes it easy to handle dangerous materials. It provides excellent lubricity and cooling properties.

● SPECIAL FEATURES

1. High Flash Point

SUPER MULPUS EX is a low viscosity product with a flash point of 200 ° C or higher.

2. Outstanding Lubricity

In order to circulate the coolant fluid efficiently and to prevent abnormal wear of the circulating pump, excellent anti-wear performance is required. **SUPER MULPUS EX** prevents wear of the circulation pump because it has superior anti-wear properties compared to mineral oil-based bearing cooling oil.

3. Good Cooling Performance

The cooling performance of **SUPER MULPUS EX** is equivalent to mineral oil-based bearing cooling oil. In addition, **SUPER MULPUS EX 5** is recommended for switching from VG 2 mineral oil-based bearing cooling oil.

● APPLICATIONS

Cooling oil for high speed spindle bearings

● CONTAINERS

200-liter drums and 20-liter pail cans.

● TYPICAL PROPERTIES OF

SUPER MULPUS EX

Grades		5	10
Color (ASTM)		L0.5	L0.5
Density(15°C)	g/cm ³	0.871	0.852
Kinematic viscosity(40°C)	mm ² /s	5.9	9.6
Kinematic viscosity(100°C)	mm ² /s	2.2	2.9
Viscosity index		214	162
Flash point (COC)	°C	204	212
Pour point		-20	-20
Acid number	mgKOH/g	0.11	0.11
Copper strip corrosion (100 °C, 3h)		1	1
Rust prevention (distilled water,60°C ,24 h)		No rust	No rust

Note: The typical properties may be changed without notice. (July, 2019)



Handling Precautions

▼ Follow these precautions when handling this product.

Composition :	Base Oil(s), Additives
Precautionary pictograms:	
Signal word:	Danger
Hazard Statement:	May be fatal if swallowed and enters airways Harmful to aquatic life Harmful to aquatic life with long lasting effects
Precautionary Statements:	
Prevention	<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.• Avoid release to the environment.• 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.