

SUPER MULPUS EX

High Flash Point Bearing Cooling Oil for Machine Tools

SUPER MULPUS EX, formulated with synthetic oil, has a high flash point of 200°C or higher despite its low viscosity, making it safer to handle. 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

To efficiently circulate the coolant and to prevent abnormal wear of the circulating pump, excellent anti-wear performance is required.

SUPER MULPUS EX prevents wear of the circulation pump due to its superior anti-wear properties compared to those of mineral oil-based bearing cooling oils.

3. Good Cooling Performance

The cooling performance of **SUPER MULPUS EX** is equivalent to those of mineral oil-based bearing cooling oils. Additionally, **SUPER MULPUS EX 5** is recommended when switching from ISO Viscosity Grade 2 mineral oil-based bearing cooling oils.

● APPLICATIONS

For cooling oil of high-speed spindle bearings

● CONTAINERS

200-liter drum and 20-liter pail can

● 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	5.84	9.39
Kinematic viscosity (100°C)	mm ² /s	2.15	2.84
Viscosity index		216	163
Flash point (COC)	°C	204	218
Pour point		-20.0	-20.0
Acid number	mgKOH/g	0.17	0.14
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.
(May 2024)

● GRADES

SUPER MULPUS EX is available in 2 grades, allowing users to select the appropriate grade for their specific usage conditions.




Handling Precautions

▼ Follow these precautions when handling this product.

SUPER MULPUS EX 5

Composition :	Base Oil(s), Additives
Hazard pictograms:	Not applicable
Signal word:	Not applicable
Hazard Statement:	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/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.
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.
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.

SUPER MULPUS EX 10

Composition :	Base Oil(s), Additives
Hazard 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/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.