

METAL WORK S

Prime Grade Synthetic Electric Discharge Machining Oil

METAL WORK S is a highly refined synthetic hydrocarbon oil. It satisfies the highest requirements for electric discharge machining oil, such as workability, oxidation stability, odor-free nature, low skin irritancy and fire safety.

● SPECIAL FEATURES

- METAL WORK S** is suitable for all types of electric discharge machining due to its optimal viscosity. Additionally, its high flash point ensures safer handling with a reduced risk of fire.
- Due to its high-purity synthetic hydrocarbon composition, **METAL WORK S** offers superior oxidation stability compared to mineral oil-based electric discharge machining oils. This results in less degradation and discoloration, allowing for extended use over longer periods.
- METAL WORK S** has odor-free nature and offers excellent workability. Additionally, as a highly refined synthetic oil, it contains extremely low levels of sulfur and aromatic hydrocarbons, resulting in minimal skin irritancy.

● Manufacturer Recommendations

METAL WORK S is recommended by Hitachi Via Mechanics Ltd., Kuroda Precision Industries Ltd., Makino Milling Machine Co., Ltd., and Seibu Electric & Machinery Co., Ltd.

● CONTAINERS

200-liter drum and 20-liter pail can

● TYPICAL PROPERTIES OF METAL WORK S

Appearance		Transparent liquid
Color (Saybolt)		$\geq +30$
Density (15°C)	g/cm ³	0.790
Kinematic viscosity (40°C)	mm ² /s	2.54
Flash point (COC)	°C	98
Pour point	°C	≤ -60
Acid number	mgKOH/g	0.00
Distillation temperature		
5%	°C	222
95%	°C	257

Note: The typical properties are subject to change without notice. (May 2024)



Handling Precautions

▼ Follow these precautions when handling this product.

Composition :	Isoparaffin
Hazard pictograms:	
Signal word:	Danger
Hazard Statement:	Combustible liquid 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.• Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.• 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 in a well ventilated place.• 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.