

METAL WORK S

Prime Grade Synthetic Electric Discharge Machining Oil

METAL WORK S is a highly refined synthetic hydrocarbon oil. **METAL WORK S** demonstrates superior performances as electric discharge machining oil such as good workability, high oxidation stability, scentless property, low skin irritancy and low risk of fire.

● Special Features

1. **METAL WORK S** can be used for every electro-discharge machining because of proper viscosity. It has low risk of fire in the handling due to relatively high flash point.

2. **METAL WORK S** indicates higher oxidation stability and less color change compared with mineral oil. It can be used for longer period without degradation.

3. **METAL WORK S** has good work characteristics by the unscented nature and low skin irritancy because of synthetic oil with extremely low level of sulfur and aromatic hydrocarbons content.

● Containers

200 liter drums & 20liter cans

● Typical properties of METAL WORK S

Appearance		Transparent liquid
Color(Saybolt)		≥+30
Density		0.789
Kinematic viscosity(40°C)	mm ² /s	2.6
Flash point(PM)	°C	80
Pour point	°C	≤-60
Acid number	mgKOH/g	0.00
Distillation		
Initial Boiling Point	°C	208
End Point	°C	254

Note: The typical properties are subject to change without notice.

● Recommendation from manufacturers

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.



Handling Precautions

▼ Follow these precautions when handling this product.

<p>! CAUTION</p> <p>Handling Precautions</p>	<ul style="list-style-type: none">● <u>Inflammation can occur if oil enters the eyes.</u> When handling this oil, wear <u>protective goggles</u> or take other measures to <u>prevent eye contact</u>.● <u>Inflammation can occur if oil comes into contact with skin.</u> When handling this oil, wear <u>protective gloves</u> or take other measures to <u>prevent skin contact</u>.● <u>The inhalation of mist may cause discomfort.</u> When handling this oil, wear a <u>respirator</u> or take other measures to <u>prevent mist inhalation</u>.● Do not drink this oil. (Swallowing this oil can cause diarrhea and nausea.)● <u>Keep out of reach of children.</u>● Read the Material Safety Data Sheet (MSDS) for this product before using the product. Obtain the Material Safety Data Sheet from where you purchased the product.
<p>First Aid</p>	<ul style="list-style-type: none">● In case of eye contact, rinse eyes thoroughly with clean water and consult with a physician.● In case of skin contact, wash skin thoroughly with soap and water.● If mist is inhaled, move the person to a location with fresh air, wrap the person in a blanket, keep the person warm and quiet, and consult with a physician.● If this oil is swallowed, do not induce vomiting. Consult with a physician immediately.
<p>Disposal of Used Oil and Containers</p>	<ul style="list-style-type: none">● Do not apply pressure to empty containers. The containers may burst if pressure is applied.● Do not weld, heat, drill, or cut the containers. The remaining oil may ignite and the containers may explode.● Follow all applicable laws and regulations when disposing of used oil or containers. If you are unsure of the proper disposal methods, consult first with the seller of the oil.
<p>Storage Method</p>	<p>Seal the container tightly after use in order to prevent dirt, moisture, etc., from entering the oil. Store in a dark location. Avoid direct sunlight.</p>