

# 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)		$\geq +30$
Density		0.789
Kinematic viscosity(40°C)	mm <sup>2</sup> /s	2.6
Flash point(PM)	°C	80
Pour point	°C	$\leq -60$
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.

<b>Composition :</b>	Iso Paraffins
<b>Precautionary pictograms:</b>	
<b>Signal word:</b>	Danger
<b>Hazard Statement:</b>	Combustible liquid May be fatal if swallowed and enters airways
<b>Precautionary Statements:</b> <b>Prevention</b>	<ul style="list-style-type: none"><li>• Do not handle until all safety precautions have been read and understood.</li><li>• Wear protective gloves/protective clothing/eye protection/face protection.</li><li>• Do not allow the eyes to become exposed to the product. Do not swallow the product.</li><li>• Keep away from heat/sparks/open flames/hot surfaces – No smoking.</li><li>• Use explosion-proof electrical/ventilating/lighting/equipment.</li><li>• Ground/bond container and receiving equipment.</li><li>• Wash hands thoroughly after handling.</li><li>• Do not eat, drink or smoke when using this product.</li></ul>
<b>Response</b>	<ul style="list-style-type: none"><li>• IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.</li><li>• IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.</li><li>• If the eyes are exposed to the product: Rinse the eyes with plenty of running water and immediately contact a physician.</li><li>• IF ON SKIN: Wash with plenty of soap and water.</li><li>• Do NOT induce vomiting.</li><li>• In case of fire: Use suitable extinguishing media for extinction.</li></ul>
<b>Storage</b>	<ul style="list-style-type: none"><li>• The product must be stored in a cool, well-ventilated location where it will not be exposed to direct sunlight.</li><li>• Containers that have been opened must be tightly sealed.</li><li>• Store locked up.</li></ul>
<b>Disposal</b>	<ul style="list-style-type: none"><li>• Dispose of contents/container in accordance with local/regional/national/international regulations.</li><li>• If there are any doubts about proper methods of handling the product, contact the point of purchase before proceeding with usage.</li></ul>