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**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Transparent liquid</td>
</tr>
<tr>
<td>Color (Saybolt)</td>
<td>≥ +30</td>
</tr>
<tr>
<td>Density</td>
<td>0.789</td>
</tr>
<tr>
<td>Kinematic viscosity (40°C)</td>
<td>2.6</td>
</tr>
<tr>
<td>Flash point (PM)</td>
<td>80</td>
</tr>
<tr>
<td>Pour point</td>
<td>≤ -60</td>
</tr>
<tr>
<td>Acid number</td>
<td>0.00</td>
</tr>
<tr>
<td>Distillation</td>
<td></td>
</tr>
<tr>
<td>Initial Boiling Point</td>
<td>208</td>
</tr>
<tr>
<td>End Point</td>
<td>254</td>
</tr>
</tbody>
</table>

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.
### Precautionary Pictograms
- **Composition:** Iso Paraffins
- **Signal word:** Danger
- **Hazard Statement:** Combustible liquid
  - May be fatal if swallowed and enters airways

### Precautionary Statements:
- **Prevention**
  - 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/sparks/open flames/hot surfaces – No smoking.
  - Use explosion-proof electrical/ventilating/lighting/equipment.
  - Ground/bond container and receiving equipment.
  - Wash hands thoroughly after handling.
  - Do not eat, drink or smoke when using this product.

- **Response**
  - 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.
  - In case of fire: Use suitable extinguishing media for extinction.

- **Storage**
  - 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**
  - 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.