AF2000
SEMI-SYNTHETIC MACHINING FLUID

Typical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Blue Liquid</td>
</tr>
<tr>
<td>Solubility in water</td>
<td>100%</td>
</tr>
<tr>
<td>pH at a typical 5% dilution</td>
<td>9.0</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>100°C</td>
</tr>
<tr>
<td>Flash Point, COC</td>
<td>none</td>
</tr>
<tr>
<td>Freezing Point, (pour point)</td>
<td>-10°C</td>
</tr>
<tr>
<td>Refractive Index at a typical 5% dilution</td>
<td>1.5</td>
</tr>
</tbody>
</table>

To determine the approximate concentration of the coolant, multiply the scale reading on the Refractometer by the Refractive Multiplier. You must ensure that the Refractometer is calibrated to 0.0 with water and that most of the tramp oil in the sample has been removed.

The information contained here represents typical product characteristics. Improvements to the formulation or normal variations in manufacturing may cause variations in the above data. This data is not intended to represent any guarantee or warranty with the intended use of the product.

For additional information regarding AF2000 please refer to its MSDS or contact our technical support staff at 1-866-957-7297.
CHEMICAL PRODUCT AND COMPANY INFORMATION

Supplier/Manufacturer: Saw Solutions Inc.

Emergency or General Information: 1-866-957-7297

Generic Name: Water Soluble Metalworking Fluid Concentrate

Prepared: January 1, 2016

HAZARD INFORMATION

<table>
<thead>
<tr>
<th>General Use: Metalworking Coolant</th>
<th>HMIS Hazardous Index</th>
<th>NFPA Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>WHMIS Classification: D2B</td>
<td>H = 1</td>
<td>Health</td>
</tr>
<tr>
<td>Transportation Classification: Not Regulated</td>
<td>F = 0</td>
<td>Fire</td>
</tr>
<tr>
<td></td>
<td>R = 0</td>
<td>Reactivity</td>
</tr>
<tr>
<td></td>
<td>PP = B</td>
<td>Protection</td>
</tr>
</tbody>
</table>

Key 0 = minimal 1 = slight 2 = moderate 3 = serious 4 = severe B = gloves, safety glasses

HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Approximate Concentration</th>
<th>CAS Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heavy Naphthenic, severely hydro treated Chemically neutralized oil</td>
<td>10-20%</td>
<td>64742-52-5</td>
</tr>
</tbody>
</table>

N/E - not established  N/A - not available

PHYSICAL CHARACTERISTICS

Appearance: Clear blue liquid
Specific Gravity: 1
pH neat: 9.0
% volatile: N/A
Vapour Density: <1

Evaporation Rate: less than ether
Boiling Point: 100°C
Freezing Point: 0°C
Solubility in Water: 100%
Vapour Pressure: <1

FIRE AND EXPLOSION INFORMATION

Flash Point: not flammable

Hazardous Decomposition Products: oxides of carbon, oxides of nitrogen

Fire-fighting Procedures: this product is not flammable

Special Fire & Explosion Hazards: never use a torch to cut or weld on or near a drum (even empty) because of a potential for drum explosion
TOXICOLOGICAL PROPERTIES

Threshold Limit Value: see Hazardous Ingredients section
Effects from acute overexposure:
Skin: may cause irritation
Eyes: may cause irritation
Inhalation: may cause irritation or discomfort to nasal and respiratory passages
Ingestion: may cause gastrointestinal irritation, large amounts may cause serious harm
Other Data: N/A

FIRST AID MEASURES

If on skin: Thoroughly wash exposed area with soap and water. Remove contaminated clothing. Launder contaminated clothing before re-use.

If in eyes: Flush eyes with large amounts of water for 15 minutes. If irritation persists, seek medical attention.

If inhaled: Remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Seek medical attention.

If ingested: If swallowed, do not induce vomiting. Seek medical attention immediately.

REACTIVITY INFORMATION

Hazardous Polymerization: will not occur
Hazardous Decomposition Products: Oxides of c
Stability: stable
Incompatibility: avoid strong oxidizers, or strong mineral acids or bases

PREVENTIVE MEASURES

Small Spill: absorb liquid on paper, vermiculite, floor absorbent or other absorbent material

Large Spill: stop spill at source, dike area to prevent spreading. Pump liquid to salvage tank. Remaining liquid may be taken up on sand, clay, earth, floor absorbent, or other absorbent material and shoveled into containers.

Respiratory Protection: not normally required

Ventilation: provide sufficient ventilation to maintain exposure below TLV's

Protective Gloves: protective gloves recommended

Eye Protection: safety glasses recommended

Other Protective Equipment: to prevent repeated or prolonged exposure, wear impervious clothing and boots

The information contained herein is believed to be accurate. This data is not intended to represent any guarantee or warranty with the intended use of the product.