Uniway EV slideway oil was developed for high efficiency machine tools, which operate with greater precision and at higher speeds. Uniway EV dramatically reduces sliding friction and has excellent start-up properties. It reduces stick-slip motion at slow feed speeds and table float at high speeds to enable more precise control of the machine. Uniway EV also separates readily from water soluble cutting fluids, which is beneficial in preventing decomposition of water soluble cutting fluids. Uniway EV is specialized oil designed for slideway lubrication in high precision machine tools, and performs well in all machining conditions.

- **Special Features**

  1. **Excellent friction properties**
     Uniway EV has a low coefficient of friction, with low friction at start-up. Uniway EV also helps prevent stick-slip at slow feed speeds for more accurate machining.

  2. **Superior oil film strength**
     Uniway EV forms thick oil films even when working under high load conditions. This helps prevent table lift at high feed speeds, contributing to high machining accuracy. Even on columns and other vertical slideways, an adequate oil film is maintained to provide smooth lubrication.

  3. **Rapid separation from water soluble cutting fluids**
     Uniway EV separates readily from water soluble cutting fluids. If the two do become intermixed, the slideway oil is easier to remove. This helps prevent decomposition of the cutting fluid so it can be used for longer periods.

  4. **Protects against corrosion**
     Uniway EV has low corrosivity to iron and copper alloys and cast iron, so it prevents rust and staining. It also helps prevent corrosion of slideways, whether made of bare metal or coated with special polymers.

- **Grades and applications**
  Uniway EV is available in three grades: 32, 68 & 220. Uniway EV is designed for lubrication of slideways, for speeds from low to high under most any conditions.

- **Containers**
  200 liter drums & 20 liter pails.

- **Typical properties of Uniway EV**

<table>
<thead>
<tr>
<th>Grade</th>
<th>32</th>
<th>68</th>
<th>220</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color (ASTM)</td>
<td>L1.0</td>
<td>L2.0</td>
<td>L2.0</td>
</tr>
<tr>
<td>Density (15 °C)</td>
<td>g/cm³</td>
<td>0.874</td>
<td>0.884</td>
</tr>
<tr>
<td>Kinematic viscosity (40 °C)</td>
<td>mm²/s</td>
<td>32.6</td>
<td>68.6</td>
</tr>
<tr>
<td></td>
<td>(100 °C)</td>
<td>mm²/s</td>
<td>5.55</td>
</tr>
<tr>
<td>Viscosity index</td>
<td></td>
<td>107</td>
<td>103</td>
</tr>
<tr>
<td>Acid number</td>
<td>mgKOH/g</td>
<td>0.55</td>
<td>0.53</td>
</tr>
<tr>
<td>Flash point (COC)</td>
<td>°C</td>
<td>214</td>
<td>240</td>
</tr>
<tr>
<td>Pour point</td>
<td>°C</td>
<td>−12.5</td>
<td>−10</td>
</tr>
<tr>
<td>Rust prevention (Distilled water, 60 °C, 24h)</td>
<td>No rust</td>
<td>No rust</td>
<td>No rust</td>
</tr>
<tr>
<td>Copper strip corrosion (100 °C, 3h)</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

Note: The typical properties may be changed without notice. (June 2011)
<table>
<thead>
<tr>
<th><strong>Handling Precautions</strong></th>
<th>▼ Follow these precautions when handling this product.</th>
</tr>
</thead>
</table>

**Composition:** Base Oil, Additives  
**Precautionary pictograms:** Not applicable  
**Signal word:** Not applicable  
**Hazard Statement:** Not applicable  
**Precautionary Statements:**  
- 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.  
- 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.  

**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.  

**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.