Water Soluble Die-Casting Lubricant - High Dilution Type

**GRAPHACE MS-10**

This water soluble die-casting lubricant is a high silicon type die-lubricant that can be used in high dilution for Aluminum die-casting. This product is developed to attach serious consideration about high temperature adhesion and heat resistance, especially the improvement of soldering resistance and releasing property (lubricity) when taking out the casting product from the die.

**Merits**

1. Excellent die-releasing coating in **High Temperature** and even **Complex Shape Die Mold**.
   Improvement in the reduction of Soldering when casting large size and thick products.
   For small and medium size products, high dilution and small quantity of coating is possible.
2. The use of excellent heat resistance materials enable the casting surface of the product to be significantly improved. Resulting in good glossy finish of the product.
3. Excellent stability of the solution can solves the sludge, spray clogging and odour smell etc.
4. Good compatibility with painting and plating of products, as the effect of the special silicon.

**Properties**

<table>
<thead>
<tr>
<th>Properties</th>
<th>Typical Properties</th>
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</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Milky-white emulsion</td>
</tr>
<tr>
<td>Density</td>
<td>15℃ g/cm³ 0.98</td>
</tr>
<tr>
<td>Viscosity</td>
<td>30℃ mPa·s 5.1</td>
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<tr>
<td>pH</td>
<td>9.9</td>
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<tr>
<td>Ignition Point</td>
<td>None</td>
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The above figures are based on the result of our company Quality Control Assurance. Result may varies if processed else where.
Please note that we may alter the figures when there is improvement on the product without any notice.

**Usage**

1. Please use after dilution at the set ratio. (Standard Dilution Ratio 1 : 100 ~ 1 : 150)
   Please adjust the dilution ratio to meet the manufacturing needs.
2. Make sure the diluted fluid is well stirred.

**Storage**

Keep in a cool place and avoid direct sunlight. During winter, prevent the product form freezing. Seal tightly after opening.

**Application**

All Aluminium Die-Casting to correspond to many shapes and form of the product.

※ For further information Please refer to the MSDS.

**Packaging**

18 liters / pail 200 liters / drum

**Legislation**

Fire Defense Law : Non Hazardous PRTR : Not Applicable