N-(Phosphonomethyl)Iminodiacetic Acid (PMIDA)

**Trade Name:** PMIDA  
**Chemical Name:** N-(Phosphonomethyl)Iminodiacetic acid  
**Mol. Formula:** $C_5H_{10}NO_7P$

**Structure Formula:**

```
\[ \begin{array}{c}
  \text{P} - \text{CH}_2 - \text{HN} \text{CH}_2 - \text{C} - \text{OH} \\
  \text{HO} \\
\end{array} \]
```

**Properties:**  
White crystals, M.P. 210°C, soluble in the water tinily, insoluble in ethanol, propanone, ether, benzene etc (including some organic solvents). Can be produced salt by reaction with alkali, amine.

**Specification:**

<table>
<thead>
<tr>
<th>Item</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>PMIDA Titer Min</td>
<td>98%</td>
</tr>
<tr>
<td>Aspect</td>
<td>Neutral crystalline powder</td>
</tr>
<tr>
<td>Undissolved Titer Max</td>
<td>0.2%</td>
</tr>
<tr>
<td>Drying Diminution Titer Max</td>
<td>0.5%</td>
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**Uses:**  
Mostly be used as the intermediate to produce the efficiently, harmfulless herbicide (glyphosate). And glyphosate can be used to kill all kinds of weed in glebe.

**Packing:** 25kg or 600 kg net woven bags or according to the client’s request.