Ultra Low Biuret Urea (ULBU)

Product Description
UREA ULTRA LOW BIURET (ULBU) is a white, solid, cylindrical pellet. It is manufactured by compressing pure urea crystals in a pelletizing process which avoids the melting and heating of the urea where the majority of biuret is formed. It is an organic amide molecule containing 46% nitrogen in the form of amine groups. Urea is infinitely soluble in water and is a benign and safe chemical to handle. This product contains NO formaldehyde.

Application Recommendations
• The ULTRA LOW BIURET UREA is used specifically as a fertilizer for leaf crops that are sensitive to biuret. UREA prill may be used as a slow release fertilizer. It must be decomposed by microorganisms before it can be assimilated by plants.
• ALWAYS exercise caution when using this chemical as fertilizer because it has the highest nitrogen content of any solid.

Transportation, Storage and Handling
• UREA will decompose into ammonia and carbon dioxide at 275°F.
• ALWAYS wash vessels containing UREA thoroughly before attempting repairs requiring welding.
• NEVER allow UREA to come into contact with nitric acid. The resulting chemical is unstable and dangerous.

Hazardous Shipping Description
• There are no DOT restrictions, other than weight, to transport UREA prill.
• A large spill of UREA should be recovered dry. All attempts should be made to keep it from dissolving into a vegetated drainage. The high nitrogen content (46%) may kill foliage if not diluted. Dissolved UREA can be handled, if necessary, by a municipal water treatment facility.
• Consult SDS #1132 for more specific and comprehensive information about chemical hazards.

Total Nitrogen Analysis (guaranteed) 46.0 minimum by weight
Water 0.2% by weight
Biuret (guaranteed) 0.1% by weight maximum
Formaldehyde 0.0%
PH 8.5 – 9.5 by weight
Bulk Density 46.5 pounds/cubic foot
Physical form 1/8 – 1/4” diameter cylindrical pellets
Color White
Fertilizer Nutrient designation 46-0-0

Typical Size Distribution

<table>
<thead>
<tr>
<th>Tyler Mesh Analysis</th>
<th>-2+4</th>
<th>-4+6</th>
<th>-6+8</th>
<th>-8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average % retained</td>
<td>91%</td>
<td>7.5%</td>
<td>1%</td>
<td>0.5%</td>
</tr>
<tr>
<td>Cumulative %</td>
<td>91%</td>
<td>98.5%</td>
<td>99.5%</td>
<td>100%</td>
</tr>
</tbody>
</table>

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