**QS-NCS-009-RC**

**Application Benefits**

QS-NCS-009-RC is a pure Nano-Cellulose that has been produced from corn-cob cellulose to be a Nano-cellulose intensifier.

Manufactured with our proprietary technology for enhancing the performance of the production of paper, cement and plastics.

**Characteristics**

- Biodegradable
- Intensifying
- Self-assembly
- High surface activity

**Specifications**

<table>
<thead>
<tr>
<th>Appearance</th>
<th>White to light yellow hydrogel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fiber diameter (nm)</td>
<td>≤ 60</td>
</tr>
<tr>
<td>Length to diameter ratio</td>
<td>≥ 500</td>
</tr>
<tr>
<td>PH</td>
<td>6 - 8</td>
</tr>
<tr>
<td>Concentration (%)</td>
<td>3.5% - 4%</td>
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</table>

As well as the performance enhancements, the Nano-Cellulose will able you to replace other more harmful additives and at the same time, increase the number of cycles a paper, for example, can be processed and improve the picking data.
Suggestion for Paper

QS-NCS-009-RC can be added into paper pulp and be suitable for pulps that both weak in acidity and weak alkalinity.

Add 5-10kg solution per ton of paper into the pulping machine and disperse evenly.

When used for surface sizing, add 3-5kg nanocellulose solution per tonnage of paper starch to the starch gelatinization tank, dilute with water and disperse evenly before gelatinization.

This Nano-Cellulose intensifier can also be blended with other paper additives. We suggest a mix ratio of 3:7 nanocellulose and 5:5 additives.

Packing, Transportation and Storage

1-ton tank or as per customer requirement.

Store the product in a cool and well-ventilated place and prevent exposure to direct sunlight, as due to the natural biomass composition of the Nano-Cellulose, which makes it perform so well, the shelf life will be 3 months. However, when stored correctly, for example, in a refrigerated area, the shelf life will be extended.