**Product Name**  
NOROX KP-9  
Thermoset

**DESCRIPTION**

NOROX KP-9 is a methyl ethyl ketone peroxide in phlegmatiser for the curing of unsaturated polyester resins at ambient temperature in combination with cobalt accelerators.

**TYPICAL PROPERTIES**

- **Active oxygen content:** 9.0 - 9.2 %
- **Free hydrogen peroxide content:** 1.6 - 1.8 %
- **Water content:** 1.5 %
- **Appearance:** Colourless and clear liquid
- **Density at 20°C:** 1.12 - 1.15 g/cm³
- **Viscosity at 20°C:** 9 - 15 mPa.s
- **Flash point:** > 80°C (Method: Seta closed cup)
- **SADT:** 65°C
- **Soluble in:** Oxygenated organic solvents
- **Insoluble in:** Water
- **Storage temperature:** Max 30°C. For maximum shelf life max 25°C

**APPLICATION**

NOROX KP-9 is a general purpose MEKP and is the workhorse of the United Initiators line. NOROX KP-9 gives consistent room temperature performance with both resins and gelcoats. A reliable product of remarkable purity, NOROX KP-9 assures quality in almost every system. Suitable applications are: Hand lay-up, spray-up, RTM, continuous laminating, centrifugal casting, filament winding, polyester concrete and vacuum infusion. A single MEKP initiator formulation cannot provide optimum results in all resin systems. Evaluation of each MEKP in each resin intended for use is absolutely essential before full-scale manufacturing is attempted.

**CURE CHARACTERISTICS**

A reactivity test with an unsaturated polyester resin gave the following results:

<table>
<thead>
<tr>
<th>Initiator</th>
<th>Gel time Min</th>
<th>Time to peak min</th>
<th>Peak exotherm temp °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>NOROX KP-9</td>
<td>25</td>
<td>61</td>
<td>88</td>
</tr>
<tr>
<td>NOROX KP-100</td>
<td>18</td>
<td>48</td>
<td>106</td>
</tr>
<tr>
<td>NOROX SG-10</td>
<td>13</td>
<td>44</td>
<td>101</td>
</tr>
</tbody>
</table>
PACKAGING, SHIPPING & AVAILABILITY

- The standard package sizes of NOROX KP-9 are 5 kg and 25 kg in polyethylene bottles.
- NOROX KP-9 is available pre-dyed in 25kg bottles. Please see United Initiators TDS for Peroxide Dye Concentrates.
- Classification – Please refer to the specific NOROX KP-9 Safety Data Sheet (SDS) under section 14 & 15, shipping & regulatory information. **NOTE:** SDS’s for all United Initiators products may be requested by contacting the company.
- NOROX KP-9 is available through a global distributor network. Call United Initiators for the name of the distributor in your area.

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