Technical Bulletin

JEFFSOL® PROPYLENE CARBONATE, CRC2
VOC Exempt Solvent

JEFFSOL® PROPYLENE CARBONATE is a clear, mobile, hygroscopic liquid at room temperature.

\[
\begin{align*}
\text{H}_2\text{C-} & \text{O} \quad \text{C=O} \\
\text{H} & \text{C-} \quad \text{O} \\
\text{CH}_3 & 
\end{align*}
\]

APPLICATIONS
An excellent solvent for many organic and inorganic materials in such applications as surface cleaners, degreasers, dyes, fibers, plastics, batteries, aromatic hydrocarbons, and natural gas. A gellant for clays and a binder for foundry sand molds.

SALES SPECIFICATIONS

<table>
<thead>
<tr>
<th>Property</th>
<th>Specifications</th>
<th>Test Method*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear and substantially free of foreign matter</td>
<td>ST-30.1</td>
</tr>
<tr>
<td>Color, Pt-Co</td>
<td>15 max.</td>
<td>ST-30.12</td>
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<tr>
<td>Propylene Carbonate, wt. %(^1)</td>
<td>99.8 min.</td>
<td>ST-35.114</td>
</tr>
<tr>
<td>Water, wt. %(^2)</td>
<td>0.05 max.</td>
<td>ST-31.53</td>
</tr>
</tbody>
</table>

\(^1\)GC Assay on water free basis
\(^2\)Karl Fisher Assay

*Methods of Test are available from Huntsman Corporation upon request.

ADDITIONAL INFORMATION

Regulatory Information
- DOT/TDG Classification: Not regulated
- HMIS Code: 1-1-0
- WHMIS Classification: D2B
- CAS Number: 108-32-7

Chemical Control Laws
- Canada, DSL: Listed
- United States, TSCA: Listed

Typical Physical Properties
- Ash, wt. %: < 0.01
- Autoignition temperature, °C (°F): 430 (806)
- Boiling point, °C (°F): 242 (468)
- Dielectric constant, esu, 25°C: 65
- Flash point, PMCC, °C (°F): 135 (275)
- LEL, (v/v) at 200°C, %: 4.7
- Melting point, °C (°F): -49 (-56)
- pH: 7
- Specific gravity, 20/20°C: 1.2
- Specific resistance, ohm-cm 25°C: 1-8x10⁶
- UEL, (v/v) at 200°C, %: 21
- Vapor pressure, mm Hg, 20°C (68°F): 0.02
- Viscosity, Kinematic, cSt, 43.3 °C (110°F): 1.6
- VOC Content by ASTM D2369: VOC Exempt
- Water Solubility (%): 1-10
- Weight, lb/gal, 20°C: 10.1
TOXICITY AND SAFETY
For additional information on the toxicity and safe handling of this product, consult the Material Safety Data Sheet (Safety Data Sheet in Europe) prior to use of this product.

AVAILABILITY
JEFFSOL® PROPYLENE CARBONATE is available in tank cars, tank wagons, and drums. Samples are available by contacting our sample department at 1-800-662-0924.