1,3-DIOXOLANE FOR SYNTHESIS

**PRODUCT CODE**
077675

**SYNONYMS**
(Ethylene Glycol Methylene Ether, Ethylene glycol formal)

**C.I. NO.**
--

**CASR NO.**
(646-06-0)

**ATOMIC OR MOLECULAR FORMULA**
C₃H₆O₂

**ATOMIC OR MOLECULAR WEIGHT**
74.08

**PARAMETERS**

<table>
<thead>
<tr>
<th>Description</th>
<th>LIMIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description</td>
<td>Clear and colourless water white liquid.</td>
</tr>
<tr>
<td>Solubility</td>
<td>Soluble in water.</td>
</tr>
<tr>
<td>Minimum Assay (By GC)</td>
<td>99.0%</td>
</tr>
<tr>
<td>Wt. per ml (at 20°C)</td>
<td>1.064-1.066 g</td>
</tr>
<tr>
<td>Refractive Index (n)²⁰</td>
<td>About 1.401</td>
</tr>
</tbody>
</table>

**MAXIMUM LIMIT OF IMPURITIES**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>LIMIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peroxide</td>
<td>0.005%</td>
</tr>
<tr>
<td>Water</td>
<td>0.5%</td>
</tr>
</tbody>
</table>

**Note(s)**: Assay (if applicable) method mentioned.

**DANGER**

**HAZARD STATEMENTS**: May cause respiratory irritation. May cause drowsiness or dizziness. Highly flammable liquid and vapour. May be harmful if swallowed. May be fatal if swallowed and enters airways. Causes mild skin irritation. Causes serious eye irritation. Harmful to aquatic life.

**PRECAUTIONARY STATEMENTS**:


**Response**: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER or doctor/physician if you feel unwell. Do NOT induce vomiting. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention.

**Disposal**: Allow to evaporate in safe open area (applicable for small quantities). The chemical should be burnt in a chemical incinerator equipped with burner and scrubber. If the volumes are larger than 500ml and no incinerator and site of evaporation is not available then transfer the waste chemical to waste solvent drum for collection by specialist disposal company.

**IMDG Code**: 3/II

**UN No.**: 1166

**IATA**: 3

Central Drug House (P) Ltd. | Corp. Office : 7/28, Vardaan House, Darya Ganj, New Delhi - 110002 (INDIA), E-mail : sales@cdhfinechemical.com
Hazard Pictogram(s):

- GHS07
- GHS02
- GHS08

Replace Date: 28-Feb-2018