### Biphenyl (Diphenyl) (1,1-biphenyl)

92-52-4

<table>
<thead>
<tr>
<th>Media</th>
<th>Carcinogen Group</th>
<th>Oral Slope Factor</th>
<th>Oral Reference Dose</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drinking water</td>
<td></td>
<td>(mg/kg/day)$^{-1}$</td>
<td>(mg/kg/day)</td>
<td>IRIS</td>
</tr>
<tr>
<td>Ground water</td>
<td>D</td>
<td>(mg/kg/day)$^{-1}$</td>
<td>0.05 (mg/kg/day)</td>
<td>IRIS</td>
</tr>
<tr>
<td>Surface water</td>
<td></td>
<td>(mg/kg/day)$^{-1}$</td>
<td>(mg/kg/day)</td>
<td></td>
</tr>
<tr>
<td>Soil</td>
<td>D</td>
<td>(mg/kg/day)$^{-1}$</td>
<td>0.05 (mg/kg/day)</td>
<td>IRIS</td>
</tr>
</tbody>
</table>

### Oral Inhalation

<table>
<thead>
<tr>
<th>Media</th>
<th>Carcinogen Group</th>
<th>Unit Risk Factor</th>
<th>Reference Concentration</th>
<th>Basis</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>D</td>
<td>(ug/m$^3$)$^{-1}$</td>
<td>(ug/m$^3$)</td>
<td></td>
</tr>
</tbody>
</table>

*Reference Doses for Group C chemicals are shown with uncertainty factor of 10 for possible carcinogenicity included. These are the Reference Doses used to derive criteria for all media. In the Basis and Background documents for these criteria, these Reference Doses may or may not be shown with this uncertainty factor incorporated.*
Carcinogen Classification - All classifications are based on IRIS unless stated otherwise

1999 Cancer Draft Guidelines:
- KNOWN - Known carcinogen
- CANTDET - Can not determine carcinogenic classification
- LIK - Likely to be a human carcinogen
- NLIK - Not likely to be a carcinogen
- ORL - Oral exposure route
- INHL - Inhalation exposure route
- INAD - Inadequate data
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- mercuric chloride, and nickel (soluble salts), respectively. The RfD for thallium was developed by the Department based on the RfD of thallium(I) sulfate in IRIS.

1. Toxicity factors were developed by the NJDEP under the A-280 process for the following chemicals, but MCLs were not adopted for unrelated reasons, such as lack of a standardized analytical method for drinking water: Ethylene glycol, formaldehyde, hexane, methyl ethyl ketone, and 2,4,6-trichlorophenol.

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