### 1,2-Diphenylhydrazine (122-66-7)

**Carcinogen Group:** B2

**Drinking water**
- **Oral Slope Factor:** 0.8 (mg/kg/day)$^{-1}$
- **Oral Reference Dose:** (mg/kg/day)
- **Basis:** IRIS

**Ground water**
- **Oral Slope Factor:** 0.8 (mg/kg/day)$^{-1}$
- **Oral Reference Dose:** (mg/kg/day)
- **Basis:** IRIS

**Surface water**
- **Oral Slope Factor:** 0.8 (mg/kg/day)$^{-1}$
- **Oral Reference Dose:** (mg/kg/day)
- **Basis:** NR02

**Soil**

<table>
<thead>
<tr>
<th>Oral</th>
<th>Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Carcinogen Group</strong></td>
<td>B2 (carcinogen)</td>
</tr>
<tr>
<td><strong>Slope Factor:</strong></td>
<td>0.8 (mg/kg/day)$^{-1}$</td>
</tr>
<tr>
<td><strong>Reference Dose:</strong></td>
<td>(mg/kg/day)</td>
</tr>
<tr>
<td><strong>Basis:</strong></td>
<td>IRIS</td>
</tr>
<tr>
<td><strong>Unit Risk Factor:</strong></td>
<td>0.00022 (ug/m$^3$)$^{-1}$</td>
</tr>
<tr>
<td><strong>Reference Concentration:</strong></td>
<td>(ug/m$^3$)</td>
</tr>
<tr>
<td><strong>Basis:</strong></td>
<td>IRIS</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.*
1. 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
- INAD - Inadequate data

1986 Cancer Guidelines:
- Group A - Human carcinogen
- Group B - Probable human carcinogen
- Group B2 - Sufficient evidence from animal studies and inadequate or no data from epidemiologic studies
- Group C - Possible human carcinogen
- Group D - Not classifiable as to human carcinogenicity

2. References:
- IRIS - Integrated Risk Information System
- HEAST- Health Effects Assessment Summary Tables
- NCEA - National Center for Environmental Assessment/EPA Provisional Value

New Jersey MCL for 1,4-Dichlorobenzene was adopted from USEPA, but New Jersey did not necessarily agree with the USEPA RfD, so it is not included on this table.