### CHEMICAL: n-Hexane (#40)

### TLV - TWA: 50 ppm (180 mg/m³)

### TVL - STEL: ____________

<table>
<thead>
<tr>
<th>Symptoms/Conditions</th>
<th>Level</th>
<th>Acute/Chronic</th>
<th>Reference</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyneuropathy</td>
<td>&lt;500 ppm</td>
<td>Chronic</td>
<td>D:R10P306</td>
<td>Workers in a factory - but another report of same factory found effect only above 500 ppm Severity=1</td>
</tr>
<tr>
<td>Polyneuropathy</td>
<td>&lt;210 ppm</td>
<td>Chronic</td>
<td>D:R12P306</td>
<td></td>
</tr>
<tr>
<td>Neurotropic effects</td>
<td>250 ppm</td>
<td>Chronic</td>
<td>D:R20,21P306</td>
<td>Mice, 1 year exposure 24 h/d, 6 day/week</td>
</tr>
</tbody>
</table>

### Conclusions

- Chronic toxicant
- Starting point 50 ppm
- Adjustment factor 10 x 2 (chronic) x 4 (continuous exposure) x 2 (severity) = 160
- Recommended AAL 0.3 ppm (24 hr)

### Comments

**AAL:** 0.3 ppm (1.1 mg/m³), 24-hour averaging time, 1987

D: Documentation of Threshold Limit Values, 1986 (R: reference, P: page)
R: Registry of Toxic Effects of Chemical Substances