Chemical: Phenol (#57)

TLV - TWA: 5 ppm (19 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>Toxicity to lungs, heart, liver kidney</td>
<td>25-50 ppm</td>
<td>Acute systemic</td>
<td>D:R8P471</td>
<td>20 d exposure, guinea pigs</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Severity = 2</td>
</tr>
<tr>
<td>Skin irritation</td>
<td>?</td>
<td>Acute irritant</td>
<td>D:R22P471</td>
<td></td>
</tr>
</tbody>
</table>

Conclusions

Acute irritant and acute systemic toxicant
Starting point 5 ppm (TWA)
Adjustment factors
    Acute irritant 10
    Systemic toxicant 10 x 2 (severity) = 20
Recommended AAL 0.25 ppm (1 hr)

Comments

AAL: 0.25 ppm (0.95mg/m³), 1-hr averaging time, 1987

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