



EUROPEAN COMMISSION

Occupational exposure limits

Recommendations
of the
Scientific Expert
Group
1991-92



Health and safety

Report
EUR 15091 EN

Recommendation

The CSDH study of hydrogen bromide exposure to human volunteers was the only available basis for proposing exposure limits. This study identified a NOAEL of 2 ppm (6.7 mg/m³), with a LOAEL for irritation of 3 to 4 ppm (10 to 13 mg/m³). On the basis of these data the SEG recommended a STEL (15 minutes) of 2 ppm (6.7 mg/m³) to prevent exposure to irritant levels. The lack of longer term exposure data, in either animals or man, does not permit proposal of an 8-hour TWA.

It should be noted that the recommended limit is close to the current limit of detection.

Key bibliography

Basilico, S. and Garlanda, T., 'Occupational exposure limits. Criteria document for hydrogen bromide', EUR 14532, Milan.

CSDH (Connecticut State Department of Health, Hartford) (1955), unpublished data (as cited in HSDB/DIMDI databank on line, 1990).

