

OELV hierarchy (legal & health based)

Legal limits: often health based.
Numerical value may be adjusted due to technical and/or economical feasibility:

- EU BLV,
- UK WEL
- Ge TRGS900
- Fr VLEP
- OSHA PEL
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Health based only
DFG, RAC-OEL, SCOEL, DECOS, ACGIH-TLV (>1996), NIOSH-REL (≥2013)

Health based, with stakeholder influence
AGS, NIOSH REL (<2013), EU IOLV, Corporate, ECETOC, ORAS/WEEL, older (<1996) health based

Default factor. Prescriptive, process based
DNEL, Dutch Health Council Gr2000-15/OSH

Hazard Banding
Kick-off levels, Control Banding concentration ranges, Generic Exposure Values

Generic
single endpoint MTD & RD50, QSAR, structural activity TTC, read across, expert judgment (Nano)

Epidemiology ->

Data rich ->

<-Data poor