

---

## Executive summary

---

At the request of the Minister of Social Affairs and Employment, the Dutch Expert Committee on Occupational Standards (DECOS), a committee of the Health Council of the Netherlands, derives so-called health-based calculated – occupational cancer risk values (HBC-OCRVs) associated with excess mortality levels of 4 per 1,000 and 4 per 100,000 as a result of working life exposure to substances, that have been classified by the European Union or the DECOS as genotoxic carcinogen. In this report the committee presents such estimates for acrylamide. For the estimation, the committee used the method described in the report ‘Calculating cancer risk due to occupational exposure to genotoxic carcinogens’.<sup>45</sup>

The committee estimated that the concentration of acrylamide in the air, which corresponds to an excess cancer mortality of

- 4 per 1,000 ( $4 \times 10^{-3}$ ), for 40 years of occupational exposure, equals to 160  $\mu\text{g}/\text{m}^3$ ;
- 4 per 100,000 ( $4 \times 10^{-5}$ ), for 40 years of occupational exposure, equals to 1.6  $\mu\text{g}/\text{m}^3$ .

Furthermore, the committee recommends a skin notation for acrylamide.

---