



### Summary of Health Effects

Based on animal studies, aniline may cause cancer in humans. In humans, the lungs, throat and windpipe may become irritated or congested. Over time, exposure to aniline may damage the blood's ability to carry oxygen.

### How is aniline used?

Aniline is used to make solvents, perfumes, varnishes, pharmaceuticals, rubber accelerators and dyes.<sup>1</sup>

### Toxicity: What are its health effects?

The Environmental Protection Agency has classified aniline as a probable human carcinogen based on evidence from animal studies.<sup>2,3</sup>

Aniline is also included on California's Proposition 65 list as a carcinogen.<sup>4</sup>

Long-term exposure to aniline may interfere with the oxygen-carrying capacity of the blood.<sup>5</sup> Short-term effects in humans include upper respiratory tract irritation and congestion.<sup>3</sup>

### Exposure: How can a person come in contact with it?

A person can come in contact with aniline by breathing it in contaminated air, such as second-hand tobacco smoke.<sup>5</sup>

In a biomonitoring study, aniline was detected in the urine of 93.9% of 1,004 individuals aged 3 to 84.<sup>6</sup>

The 2014 National Health and Nutrition Examination Survey (NHANES) report did not include data for aniline.

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## References

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