

Abstract

As part of the fumigation process, the container must be made gas-free again. This releases the high concentrations of toxic gas in the open air. Releasing toxic gases, however, has harmful effects on humans, animals and nature.

The aim of this research is to find out what the overall impact is in ventilating fumigated containers. For this, the problem is approached on three sides: the impact on health, the impact on the environment, and the impact on the overseeing port authorities.

It is very important to try to capture the overall picture. Whether or not to ventilate a container not only directly affects us by affecting health or the environment, but has also prompted policy makers to draw up regulations to ensure safety, and has led scientists to carry out relevant studies.

However, the positive evolution cannot yet outweigh the problems of ventilation. Problems that were burning 10 years ago have remained unchanged, but are barely getting any attention. Any follow-up study could re-examine the pain points of the problem and lead to a final solution.