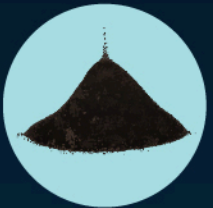


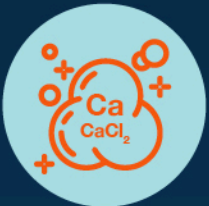
FIREWORKS & AIR POLLUTION

What's in Fireworks?

Black Powder



Colorants



Firework Stars (Small Explosive)

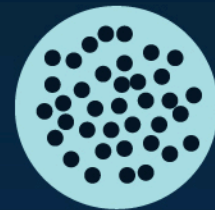


What Air Pollutants Do Fireworks Produce?

PM10



PM2.5



Ultrafine particles



Volatile organic compounds



Studies show that fireworks can increase local air pollution as much as **2,800%** for up to five days after a fireworks show.*

What can you do about it?



Use safe alternatives to fireworks



Voice your concerns to officials



Shut your windows and doors



Purify the indoor air

* References

[1] Wang Y, et al. (2007). The air pollution caused by the burning of fireworks during international festival in Beijing. DOI: 10.1016/j.atmosenv.2006.07.043

[2] Seidel DJ, et al. (2015). Effects of Independence Day fireworks on atmospheric concentrations of fine particulate matter in the United States. DOI: 10.1016/j.atmosenv.2015.05.065

[3] Masih A, et al. (2014). Study of noise and atmospheric pollution during the festival of lights (Deepavali) in the north central part of India – a case study. DOI: 10.1166/asl.2014.55099

[4] Greven FE, et al. (2019). Air pollution during New Year's fireworks and daily mortality in the Netherlands. DOI: 10.1038/s41598-019-42080-5