

Diesel Engine Exhaust



BREATHE
CALIFORNIA
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Diesel Particulate Matter

a component of diesel exhaust, including soot particles made up primarily of carbon, ash, metallic abrasion particles, sulfates and silicates.



Regardless if you live in a rural or urban setting, the widespread use of diesel-powered engines makes it almost impossible to avoid exposure to diesel exhaust and its byproducts.



Toxic Air Contaminant

Defined by the CA Office of Environmental Health Hazard Assessment a toxic air contaminant is an air pollutant which may cause or contribute to an increase in mortality or an increase in serious illness, or which may pose a present or potential hazard to human health.

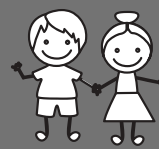


Carcinogen

More than **40** known carcinogens are found in the organic compounds and carbon particulate coming from Diesel Particulate Matter.



Population Vulnerability:



- Children
- Elderly
- Persons with Respiratory Illnesses



Health Effects:

When inhaled, diesel particulate matter can deposit throughout the lung, the largest portion is deposited in the deepest region of the lungs which is the most susceptible to injury.

Increased risk for:

- cardiovascular disease
- cardiopulmonary disease
- respiratory disease
- lung cancer
- asthma attacks
- premature death



Irritant to:



It is estimated that **70%** of total known cancer risk related to air pollution is attributable to diesel particulate matter.

