

ALASKA TOP HAZARDOUS AIR POLLUTANTS

HEXACHLOROCYCLOPENTADIENE

#9	Non Cancer Endpoint
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The inventory method and available data do not indicate emissions occurring in the three inventoried communities. However, this does not mean there are no emissions of this pollutant in the state.

Reference Concentration

- Hexachlorocyclopentadiene - 0.0002 mg/m³ for respiratory effects - rats

Inventory Estimates of Hexachlorocyclopentadiene

Community	Ranking by Mass	Total Emitted (tons per year)	Top Sources
Anchorage*	n/a	---	n/a
Fairbanks*	n/a	---	n/a
Juneau*	n/a	---	n/a
Total of 3 Communities		---	

* No data to indicate emissions

Hexachlorocyclopentadiene Sources Expected* in Alaska

* No data to indicate emissions

Potential Occupational Exposure to Hexachlorocyclopentadiene

Hexachlorocyclopentadiene production	pesticide production with Hexachlorocyclopentadiene contamination	flame retardant workers
wastewater treatment plants treating industrial wastes		

Hexachlorocyclopentadiene Emission Inventory* Improvements

* No data to indicate emissions

Hexachlorocyclopentadiene Health Effects

There is not enough data to ascertain specific effects from specific exposure concentrations. Some studies indicate the following: Exposed industrial workers experienced eye and upper lung irritation, with headaches. Hexachlorocyclopentadiene causes tearing, sneezing, and excess salivation. Potential lung, liver, kidney, and blood effects from long term exposures.

Cancer ranking: EPA has classified hexachlorocyclopentadiene as a Group D, not classifiable as to human carcinogenicity.