

# TOXAPHENE

#7

## Minimum Risk Level

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- Toxaphene - 0.001 mg/kg/day for liver effects - rats

### Inventory Estimates of Toxaphene

Community	Ranking by Mass	Total Emitted (tons per year)*	Top Sources
Anchorage	n/a	0.003	airports
Fairbanks**	n/a	---	n/a
Juneau	n/a	0.000	wastewater plant
Total of 3 Communities		0.003	

\* The mass emission rates are based on input data that may or may not be accurate. The reader should not consider the inventory accurate to three decimal places (one thousandth of a ton). The use of three decimal places allows us to acknowledge small quantities of pollutants rather than showing the emission rate as zero.

\*\* No data to indicate emissions

### Toxaphene Sources Expected in Alaska

- airports
- wastewater facility

### Potential Occupational Exposure to Toxaphene

- Use and production of toxaphene as a pesticide in the US was banned in 1983.

### Toxaphene Emission Inventory Improvements

- Update emission factors for used oil wastewater facility.

### Toxaphene Health Effects

Inhalation at 0.4 mg/m<sup>3</sup> for 10 minutes a day for 15 days did not induce any noticeable effect. Noticeable effects also did not occur at 250 mg/m<sup>3</sup> for 30 minutes a day for 13 days or at 500 mg/m<sup>3</sup> for 30 minutes a day for 10 days. However, if sufficient exposure should occur, symptoms include eye irritation up to bronchitis and inflammation of the lung.

**Cancer ranking:** EPA has classified hydrazine as a Group B2, probable human carcinogen. There is not adequate human evidence of cancer from exposures. However, studies found increased liver tumors in mice and thyroid tumors in rats.

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## **ALASKA TOP HAZARDOUS AIR POLLUTANTS**