ALASKA TOP HAZARDOUS AIR POLLUTANTS

2-CHLOROACETOPHENONE

#4	Non Cancer Endpoint

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

- 2-Chloroacetophenone - 0.00003 mg/m^3 for a scaly, increase in skin cells within the nose - rats

Inventory Estimates of 2-Chloroacetophenone

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

2-Chloroacetophenone Sources* Expected in Alaska

* No data to indicate emissions

Potential Exposure to 2-Chloroacetophenone

2-Chloroacetophenone manufacturing	use of "Chemical Mace"

2-Chloroacetophenone Emission Inventory* Improvements

* No data to indicate emissions

2-Chloroacetophenone Health Effects

Low level (< 0.1 mg/m^3): Should be no effects.

Medium level (0.1 - 0.4 mg/m^3): Irritation and eye-watering thresholds.

High level (0.4 - 15 mg/m^3]): Component of "Chemical Mace". Tearing, burning of eyes, but seldom any permanent disability. High levels may lead to fluid in the lungs forming up to 8 hours after initial exposure.

Very high levels (15 mg/m^3): NIOSH's Immediately Dangerous to Life and Health level.

Cancer ranking: EPA has not classified 2-chloroacetophenone with respect to potential carcinogenicity**.**