

ALASKA TOP TEN HAZARDOUS AIR POLLUTANTS

| | | |
|-----------|--------------------------------|---|
| #8 | METHYL ETHYL KETONE |  |
|-----------|--------------------------------|---|

Inventory Estimates

| Community | Total Emitted (tons per year) | Top Sources |
|------------------------|----------------------------------|----------------------------|
| Anchorage | 94 | surface coating activities |
| Fairbanks | 35 | surface coating activities |
| Juneau | 11 | surface coating activities |
| Total of 3 Communities | 140 | |

Methyl Ethyl Ketone Sources

- Surface coating activities

Methyl Ethyl Ketone Sources Emission Inventory Improvements

- Refine surface coating emission estimates with better estimates of painting activities

Methyl Ethyl Ketone Health Effects

Low level (<200 ppm): Slight nose and throat irritation. Potential sensory effects for exposures up to 4 hours per day

Medium level (>200 ppm): Exposed workers complained of nose and throat irritation, unpleasant odor, nausea, and headache. Prolonged exposure leads to nerve cell death in the extremities.

High level (>2000 ppm): central nervous system depression with headache, nausea, dizziness, drowsiness, and confusion, eventually may cause lose consciousness and possibly die.

Cancer ranking: EPA has not classified as a human carcinogen.