

ALASKA TOP TEN HAZARDOUS AIR POLLUTANTS

#9	METHANOL	
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Inventory Estimate

Community	Total Emitted (tons per year)	Top Sources
Anchorage	90	consumer products
Fairbanks	29	consumer products
Juneau	11	consumer products
Total of 3 Communities	130	

Methanol Source

consumer products	coatings and related products	adhesives and sealants
personal care	household	FIFRA products
automotive aftermarket	miscellaneous	

Methanol Sources Emission Inventory Improvements

- Consumer product estimates inherently uncertain with differences in product use from region to region.

Methanol Health Effects

Low level (< 200 ppm): Increase of formic acid in blood.

Medium level (200 - 1000 ppm): Nose and throat irritation, unpleasant odor, nausea, and headache

High level (>1000 ppm): headache, nausea, dizziness, weakness, vertigo, chills, shooting pains in extremities, unsteady, dermatitis, numbness, edema, nervousness, visual effects. Long term or large exposures can lead to failure of vision.

NOTE: Methanol occurs naturally in humans, plants and animals.

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

