

Consumer & Commercial Solvents

This area source includes products for personal care, household cleaning, household pesticides, automotive aftermarket, adhesives and sealants, FIFRA regulated products, and coatings. The majority of the emitted VOC is a result of evaporation of the solvent contained in the product or from the propellant released during use. This category includes usage from households, businesses, institutions, and industrial manufacturing operations.

Industrial solvent applications may also be point sources so adjustment must be made to the area source emissions by removing emissions due to point sources. However, in Ohio there are no point sources which contributed VOC emissions from this category.

Ohio used the population based methodology because this data was more readily available than the costly product use or sales surveys. The Ohio Department of Development, Office of Strategic Research, was used to obtain the population estimates by county to determine the emissions estimation. VOC emissions were calculated using a 7.3 lb/person emissions factor which was obtained from the 1999 NEI document (Vol. III)

References:

Ohio Department of Development, Office of Strategic Research. *Population Projects by Age and Sex: 2005-2030*.

Environmental Protection Agency (EPA). *1999 Base Year Non-point Source National Emission Inventory for Hazardous Air Pollutants*, Research Triangle Park, NC. 9/28/2001.