



2-Methoxyethyl Acetate

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CAS No. 110-49-6

2-Methoxyethyl Acetate (2-ME acetate, Methyl Cellosolve Acetate, 2-Methoxyethanol Acetate) is a colorless liquid.

2-Methoxyethyl Acetate is more soluble in oil and less soluble in water. Vapors are heavier than air [EPA].

Usage and exposure

2-Methoxyethyl Acetate is used primarily as a solvent in painting, furniture finishing, printing, semiconductor and other electronics industries [EPA].

Routs of exposure

Inhalation, skin absorption, ingestion, skin and/or eye contact [CDC].

2-Methoxyethyl Acetate has high vapor pressures, so inhalation of the vapor is a likely route of exposure. However, data from occupational studies indicate that the skin is the major route of absorption in the workplace [EPA].

Target organs

Eyes, respiratory system, kidneys, brain, central nervous system, peripheral nervous system, reproductive system, hematopoietic system [CDC].

Metabolism

2-Methoxyethyl Acetate in blood is immediately hydrolyzed to 2-ME. No data are available for describing the absorption, distribution, metabolism, and elimination of 2-Methoxyethyl Acetate in vivo in humans or animals.

Health hazards

Exposure of 2-Methoxyethyl Acetate may cause irritation eyes, nose, throat; kidney, brain damage [CDC].

References

- CDC, Centers for Disease Control and Prevention. NIOSH Pocket Guide to Chemical Hazards. Methyl Cellosolve Acetate.
<https://www.cdc.gov/niosh/npg/npgd0402.html>
- EPA, U.S. Environmental Protection Agency. Provisional Peer-Reviewed Toxicity Values for 2-Methoxyethanol (CASRN 109-86-4) and 2-Methoxyethanol Acetate (CASRN 110- 49-6).
<https://cfpub.epa.gov/ncea/pprtv/documents/MethoxyethanolAcetate2.pdf>