

NON-VOC ORGANIC COMPOUNDS LIST

The following organic compounds have been classified as non-VOCs by EPA due to negligible photochemical reactivity. (Note: This classification means that these compounds do not participate significantly in the formation of ozone in the ambient air. The classification does not relate to the toxicity of the materials or to the requirements of non-VOC regulations.)

Common Name	Technical Name
CFC-11	trichlorofluoromethane
CFC-12	dichlorodifluoromethane
CFC-113	1,1,2-trichloro-1,2,2-trifluoroethane
CFC-114	1,2-dichloro-1,1,2,2-tetrafluoroethane
CFC-115	chloropentafluoroethane
HFC-23	trifluoromethane
HFC-32	difluoromethane
HFC 43-10mee	1,1,1,2,3,4,4,5,5,5-decafluoropentane
HFC-125	pentafluoroethane
HFC-134	1,1,2,2-tetrafluoroethane
HFC-134a	1,1,1,2-tetrafluoroethane
HFC-143a	1,1,1-trifluoroethane
HFC-152a	1,1-difluoroethane
HFC-161	ethylfluoride
HFC-236ea	1,1,1,2,3,3-hexafluoropropane
HFC-236fa	1,1,1,3,3,3-hexafluoropropane
HFC-245ca	1,1,2,2,3-pentafluoropropane
HFC-245ea	1,1,2,3,3-pentafluoropropane
HFC-245eb	1,1,1,2,3-pentafluoropropane
HFC-245fa	1,1,1,3,3-pentafluoropropane
HFC-365mfc	1,1,1,3,3-pentafluorobutane
C ₄ F ₉ OCH ₃	1,1,1,2,2,3,3,4,4-nonafluoro-4-methoxy-butane
(CF ₃) ₂ CF ₂ OCH ₃	2-(difluoromethoxymethyl)-1,1,1,2,3,3,3-heptafluoropropane
C ₄ F ₉ OC ₂ H ₅	1-ethoxy-1,1,2,2,3,3,4,4,4-nonafluorobutane
(CF ₃) ₂ CF ₂ OC ₂ H ₅	2-(ethoxydifluoromethyl)-1,1,1,2,3,3,3-heptafluoropropane

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(continued)

HCFC-22	chlorodifluoromethane
HCFC-31	chlorofluoromethane
HCFC-123	1,1,1-trifluoro 2,2-dichloroethane
HCFC-123a	1,2-dichloro-1,1,2-trifluoroethane
HCFC-124	2-chloro-1,1,1,2-tetrafluoroethane
HCFC-141b	1,1-dichloro-1-fluoroethane
HCFC-142b	1-chloro-1,1-difluoroethane
HCFC-151a	1-chloro-1-fluoroethane
HCFC-225ca	3,3-dichloro-1,1,1,2,2-pentafluoropropane
HCFC-225cb	1,3-dichloro-1,1,2,2,3-pentafluoropropane

acetone
ethane
methane

methylene chloride
methyl chloroform
PCBTF
perchloroethylene
methyl acetate

dichloromethane
1,1,1 trichloroethane
parachlorobenzotrifluoride
tetrachloroethylene
methyl acetate

perfluorocarbon-alkanes
perfluorocarbon-ethers
perfluorocarbon-tertiary amines
perfluorocarbon-sulfinated
siloxanes

cyclic, branched, or linear, completely fluorinated
cyclic, branched, or linear, completely fluorinated*
cyclic, branched, or linear, completely fluorinated*
with sulfur bonds only to carbon and fluorine*
cyclic, branched, or linear, completely methylated

(* with no unsaturations)

The organic compounds listed above have been determined by EPA to have negligible photochemical reactivity. Therefore, they should not be reported as VOC materials. However, if your facility emits a material listed above, that is classified as a Hazardous Air Pollutant, these emissions will need to be included on Forms SAM30 and SAM99D.