

Substances or products regulated for VOC in Korea

No.	Substance or product	Molecular formula	CAS no.
1	Acetaldehyde	$C_2H_4O[CH_3CHO]$	75-07-0
2	Acetylene	C_2H_2	74-86-2
3	Acetylene Dichloride	$C_2H_2Cl_2$	540-59-0
4	Acrolein	C_3H_4O	107-02-8
5	Acrylonitrile	C_3H_3N	107-13-1
6	Benzene	C_6H_6	71-43-2
7	1,3-Butadiene	C_4H_6	106-99-0
8	Butane	C_4H_{10}	106-97-8
9	1-Butene, 2-Butene	$C_4H_8[CH_3CH_2CHCH_2]$, $C_4H_8[CH_3(CH)_2CH_3]$	106-98-9 107-01-7
10	Carbon Tetrachloride	CCl_4	56-23-5
11	Chloroform	$CHCl_3$	67-66-3
12	Cyclohexane	C_6H_{12}	110-82-7
13	1,2-Dichloroethane	$C_2H_4Cl_2[Cl(CH_2)_2 Cl]$	107-06-2
14	Diethylamine	$C_4H_{11}N[(C_2H_5)_2NH]$	109-89-7
15	Dimethylamine	C_2H_7N	124-40-3
16	Ethylene	C_2H_4	74-85-1
17	Formaldehyde	$CH_2O[HCHO]$	50-00-0
18	n- Hexane	C_6H_{14}	110-54-3

19	Isopropyl Alcohol	$C_3H_8O[(CH_3)CHOHCH_3]$	67-63-0
20	Methanol	$CH_4O[CH_3OH]$	67-56-1
21	Methyl Ethyl Ketone	$C_4H_8O[CH_3COCH_2CH_3]$	78-93-3
22	Methylene Chloride	CH_2Cl_2	75-09-2
23	MethylTertiaryButylEther	$C_5H_{12}O[CH_3OC(CH_3)_2CH_3]$	1634-4-4
24	Propylene	C_3H_6	115-07-1
25	Propylene Oxide	C_3H_6O	75-56-9
26	1,1,1-Trichloroethane	$C_2H_3Cl_3$	71-55-6
27	Trichloroethylene	C_2HCl_3	79-01-6
28	Gasoline	-	86290-81-5
29	Naphtha	-	8030-30-6
30	CrudeOil	-	8002-5-9
31	Acetic Acid	$C_2H_4O_2$	64-19-7
32	Ethylbenzene	C_8H_{10}	100-41-4
33	Nitrobenzene	$C_6H_5NO_2$	98-95-3
34	Toluene	C_7H_8	108-88-3
35	Tetrachloroethylene	C_2Cl_4	127-18-4
36	Xylene	C_8H_{10}	1330-20-7 (95-47-6 108-38-3 106-42-3)
37	Styrene	C_8H_8	100-42-5

1) VOC discharging industries or facilities in Air Quality Regulation Area in Korea

- Petroleum refining and petrochemical product manufacturing industry
- Oil reservoir
- Gas station
- Laundry facility
- Organic solvent and paint manufacturing industry
- Ship and large-sized ferrous structure manufacturing industry
- Motor vehicle manufacturing industry
- Other manufacturing industry
- Waste storing & treatment facility (waste oil, waste organic solvent, and waste agricultural chemicals)

2) VOC discharging industries or facilities in Air Quality Preservation Special Area in Korea

- Petroleum refining and petrochemical product manufacturing industry
- Oil reservoir
- Gas station
- Laundry facility
- Organic solvent and paint manufacturing industry
- Basic metal industry
- Motor vehicle manufacturing industry
- Ship and structural metal product manufacturing industry
- Storage and warehousing business
- Waste storing & treatment facility
- Other manufacturing industry