

| Chemical Name CAS-Number | Colour/Form | Boiling Point (°C) | Melting Point (°C) | Molecular Weight | Solubility in Water | Relative Density (water=1) | Relative Vapour Density (air=1) | Vapour Pressure/ (Kpa) | Inflam. Limits | Flash Point (°C) | Auto Ignition Point (°C) |
|-----------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------|-----------------------|---------------------|---------------------------------|-------------------------------|------------------------------------------|------------------------------|-------------------------------------------|---------------------|--------------------------------|
| ACETAL 105-57-7 | colourless liquid | 102.2 | -100 | 118.17 | sol | 0.83 | 4.08 | 20 mm Hg | 1.6 ll 10.4 ul | -21 cc | 230 |
| ACETALDEHYDE 75-07-0 | colourless liquid; colourless gas | 21 | -123 | 44.05 | misc | 0.788 @ 16 °C/4 °C | 1.52 | 99 | 4 ll 57 ul | -39 | 185 |
| ACROLEIN 107-02-8 | colourless or yellowish liquid | 53 | -88 | 56.06 | v sol | 0.84 | 1.94 | 29 | 2.8 ll 31 ul | -26 cc | 234 |
| BENZALDEHYDE 100-52-7 | colourless liquid | 179 | -26 | 106.12 | sl sol | 1.050 @ 15 °C/4 °C | 3.66 | 1 mm Hg @ 26 °C | | 63 cc | 179 |
| BUTYLALDEHYDE 123-72-8 | colourless liquid; water- white liquid | 74.8 | -99 | 72.10 | sol | 0.8 | 2.5 | 12.2 | 1.9 ll 12.5 ul | -667 cc | 230 |
| CHLOROACETALDE- HYDE 107-20-0 | clear, colourless liquid | 85.5 | -16.3 | 78.50 | misc | 1.19 | 2.7 | 13.3 | | 877 cc | 88 |
| CHLORAL 75-87-6 | oily liq | 97.8 °C @ 760 mm Hg | -57.5 | 147.40 | sol | 1.5121 @ 20 °C/4 °C | 5.1 | 35 mm Hg @ 20 °C | | | |
| CHLORAL HYDRATE 302-17-0 | transparent, colorless crystals; large monoclinic plates; colorless or white crystals | 96.3 °C @ 764 mm Hg (decomp) | 57 °C | 165.42 | 14.3 g/ml water at 40 ° C | 1.908 @ 20 °C/4 °C | | | | | |
| o-CHOROBENZALDE- HYDE 89-98-5 | colourless to yellowish liquid | 211.9 | 12.4 | 140.6 | sl sol | 1.2483 | | 0.04 | | 90 cc | 385 |
| CINNAMMICALDEHYDE 104-55-2 | yellowish oily liquid; greenish-yellow liquid | 253 | -7.5 | 132.15 | 700 ml | 1.048-1.052 @ 25 °C/ 25 °C | 4.6 | 1 mm Hg @ 76 °C | | 120 | |
| CROTONALDEHYDE 4170-30-3 | water-white to straw- coloured liquid | 104.0 | -76.5 | 70.09 | 18.1 g/100 g | 0.853 | 2.41 | 19 mm Hg | 2.1 ll 15.5 ul | 13 oc | 232.2 |
| DICHLOROETHYL FORMAL 111-91-1 | colorless liquid | 218.1 | -32.8 | 173.05 | 81,000 mg/l @ 25 °C | 1.2339 @ 20 °C/20 ° C | 6.0 | 0.1 mm Hg @ 20 °C | | 110 °C | |
| 2,2-DIMETHYL-1,3- DIOXOLANE-4- METHANOL 100-79-8 | colourless liquid | 188-189 | -26.4 | 132.2 | misc | 1.064 | 4.6 | | | 80 cc | |
| DIMETHYLACETAL 534-15-6 | colourless liquid; mobile liquid | 64.5 | -113 | 90.1 | sol | 0.85015 | 3.1 | 61 mm Hg | | | |
| p-DIOXANE 123-91-1 | colourless liquid | 101.0 | 11.8 | 88.10 | misc | 1.0337 | 3.03 | 4.1 | 2.0 ll 22 ul | 12 | 180 |
| ETHYLHEXALDEHYDE 123-05-7 | colourless liquid | 163 | -76 | 128.22 | insol | 0.8540 | 4.4 | 0.2 | 0.85 @ 93 °C, ll 7.2 @ 135 °C ul | 50-52 | 190-210 |

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|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|---------|---------|---------------------|--------|-------------------------|------|----------------------|-------------------|-------------------|-----|
| FORMALDEHYDE 50-00-0 | clear, water-white, very slightly acid, gas or liquid.; formaldehyde solution is a clear, colourless or nearly colourless liquid . | -19.5 | -92 | 30.03 | sol | 0.8 | 1.08 | | 7.0 ll 73 ul | flammabl e gas | 300 |
| GLUTARALDEHYDE 111-30-8 | colourless liquid | 187-189 | -14 | 100.13 | sol | 0.72 | 3.4 | 17 mm Hg | | | |
| GLYCIDALDEHYDE 765-34-4 | colourless liquid | 112-113 | -62 | 72.1 | misc | 1.1403 | 2.58 | 27 mm Hg @t 25 °C | | | |
| 3-HYDROXYBUTYRALDEH YDE 107-89-1 | clear, white to yellow syrupy liquid; colourless thick liquid | 83 | | 88.10 | misc | 1.103 | 3.00 | 21 mm Hg | | | |
| ISOBUTYLALDEHYDE 78-84-2 | transparent, colourless liquid | 64.5 | -65.9 | 72.10 | sol | 0.7938 | 2.48 | 173 mm Hg @ 25 °C | 1.6 ll 10.6 ul | | 196 |
| METALDEHYDE 108-62-3 | | 110 | 47 | 176.21 | | | | | | | |
| METHYLAL 109-87-5 | colourless, clear liquid | 42 | -105 | 76.09 | sol | 0.8593 | 2.6 | 44 | 1.6 ll 17.6 ul | -18 oc | 237 |
| 4-MORPHOLINECAR- BOXYALDEHYDE 4394-85-8 | | 236.5 | | 115.13 | | | | | | | |
| PARAFORMALDEHYDE 30525-89-4 | white crystalline powder; white, amorphous powder | | 155-170 | variable polymer | sl sol | 1.46 @ 15 °C (solid) | | < 0.2 @ 25 °C | 7.0 ll 73.0 ul | 71 cc | 300 |
| PARALDEHYDE 123-63-7 | colourless, transparent liquid | 124 | 12.6 | 132.16 | sl sol | 0.9943 | 4.5 | 25.3 mm Hg | 1.3 ll ? ul | | |
| PROPANAL 123-38-6 | colourless liquid | 49 | -81 | 58.08 | sol | 0.8071 @ 25 °C | 2.0 | 31.3 | 2.6 ll 16.1 ul | -30 | 207 |
| SAFROLE 94-59-7 | colourless or pale yellow oil; monoclinic crystals | 234.5 | 11.2 | 162.18 | insol | 1.1 | | 1 mm Hg @ 63.8 °C | | 97 | |
| TRIOXANE 110-88-3 | crystalline solid; rhombic needles from ether; white | 114.5 | 64 | 90.08 | v sol | 1.17 @ 65 °C | | | | 45 | |
| VALERALDEHYDE 110-62-3 | colourless liquid | 103 | -91.5 | 86.13 | sl sol | 0.8095 | 3.0 | 50 mm Hg @ 25 °C | | | |