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## Terpineol

Terpineol, a turpentine alcohol, is obtained from turpentine and purified by fractionation. It is a clear, colorless liquid of peculiarly high viscosity, almost reminiscent of glycerin. Its high viscosity is the main reason for its popularity with artists, who normally only add turpentine to their oil colors during painting, since terpinol prevents the brush marks from levelling. A further advantage is that oil paint applied with this solvent dries completely mat. Because of the scent of lilac, terpineol is used in the manufacture of soap.

CAS No.: 8000-41-7  
EINECS No.: 232-268-1

|  |   |
|--|---|
| Appearance:                                  | Clear liquid, colorless to slightly amber |
| Refractive index at 20°C:                    | 1.482 – 1.485                             |
| Density at 20°C (g/cm <sup>3</sup> ):        | 0.931 – 0.935                             |
| Terpene alcohol content (%):                 | > 99                                      |
| Flash point (closed cup) (°C):               | 93  |
| Purity in Alpha + Gamma terpineol (%):       | > 83                                      |
| Optical rotation x <sub>j</sub> , 10 cm (%): | 0   |
| Boiling point (°C):                          | 210 – 215                                 |
| Peroxide value (meq O <sub>2</sub> /kg):     | ≤ 200 meq O <sub>2</sub> /kg              |
| Dipentene (%):                               | ≤ 0.1                                     |

## Heavy Metals

In the European Flavor Regulation No. 1334/2008 not limits for heavy metals are found. Therefore, the limits are based on the former aroma Directive 88/388/EC.

|               |             |
|---------------|-------------|
| Arsenic (As): | max. 3 ppm  |
| Cadmium (Cd): | max. 1 ppm  |
| Mercury (Hg): | max. 1 ppm  |
| Lead (Pb):    | max. 10 ppm |