

Pine Oil Formulations

These formulations are the same as used for Registered Pine Oil Cleaners. To claim registration or sub-registration, with the EPA as a disinfectant, producer would be required to file for sub-registration. Nottingham will assist in this procedure at no charge to Nottingham customer.

If you are not planning on labeling the finished product, to claim disinfectant properties, you do not have to obtain registration.

The formulas below can be altered to produce lower concentrations of Pine Oil, if you are not claiming disinfectant properties. Cleaners on the market may contain anywhere from 3% to 85% Pine Oil. The % of actual Pine Oil will depend on the cleaning/degreasing value you wish to obtain, and the end application. WT % must total 100%.

19.9 % Pine Oil Cleaner (minimum properties for disinfectant claim)

Ingredients	% (WT)
Pine Oil (85%)	19.9
Isopropanol	10.0
T-704	8.8
50% KOH Solution	2.7
Water	58.6

25.0 % Pine Oil Cleaner

Ingredients	% (WT)
Pine Oil (85%)	25.0
Isopropanol	9.0
T-704	9.0
50% KOH Solution	2.8
Water	54.2

30.0 % Pine Oil Cleaner

Ingredients	% (WT)
Pine Oil (85%)	30.0
Isopropanol	10.0
T-704	8.0
50% KOH Solution	2.8
Water	49.2

60.0 % Pine Oil Cleaner

Ingredients	% (WT)
Pine Oil (85%)	60.0
T-704	17.5
50% KOH Solution	6.7
Water	15.8

80.0 % Pine Oil Cleaner

Ingredients	% (WT)
Pine Oil (85%)	80.0
T-704	9.0
50% KOH Solution	3.4
Water	7.6

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