

## **Pine Oil Cleaner Formulations**

**(Not for use as a Disinfectant)**

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

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%.

### **3.0 % Pine Oil Cleaner**

<b>Ingredients</b>	<b>% (WT)</b>
Pine Oil (80% or 85%)	3.0
Isopropanol (IPA)	11.1
T-704 (TOFA)	11.8
50% KOH	5.0
Water	69.1

### **5.0 % Pine Oil Cleaner**

<b>Ingredients</b>	<b>% (WT)</b>
Pine Oil (80% or 85%)	5.0
Isopropanol (IPA)	10.0
T-704 (TOFA)	11.0
50% KOH	4.0
Water	70.0

### **10.0 % Pine Oil Cleaner**

<b>Ingredients</b>	<b>% (WT)</b>
Pine Oil (80% or 85%)	10.0
Isopropanol (IPA)	10.0
T-704 (TOFA)	12.0
50% KOH	4.0
Water	64.0

### **15.0 % Pine Oil Cleaner**

<b>Ingredients</b>	<b>% (WT)</b>
Pine Oil (80% or 85%)	15.0
Isopropanol (IPA)	10.0
T-704 (TOFA)	10.5
50% KOH	3.5
Water	61.0

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