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# PINEconc B2-CLR

## TECHNICAL DATA SHEET

### DESCRIPTION

**PINEconc B2-CLR** is a Pine Oil-Based Cleaner/Disinfectant/Gel - Concentrate.

This liquid concentrate consists of Anionic & Non-Ionic surfactants, Pine Oil and Preservatives. The first step is to add the required amount of **PINEconc B2-CLR** to the mixing vessel. The required amount of water is then added to the mixing vessel and with moderate agitation for ±10 minutes. Once fully dissolved, it only requires a measured quantity of Colour (optional), to produce a viscous Pine Oil-Based LIQUID Cleaner/Disinfectant of Impressive Quality, Appearance & Value for Money. If one prefers, you can manufacture either:

- A) Pine Oil-based LIQUID Cleaners/Disinfectants, or
- B) **PINEconc B2-CLR** can also be used to manufacture a simple PINE GEL- type Disinfectant/Cleaner – see Section A & B of this document for Instructions.

### FORMULATION/COMPOSITION

**PINEconc B2-CLR** recommended Dilutions for LIQUID PINE OIL-Based CLEANERS/DISINFECTANTS:

- a. 1 (**PINEconc B2-CLR**) : 11 (Water) (8%) – Premium Product - (7.52% Active)
- b. 1 (**PINEconc B2-CLR**) :15 (Water) (6%) – Standard Product - (5.64% Active)
- c. 1 (**PINEconc B2-CLR**) : 24 (Water) (4%) – Economy Product - (3.76% Active)

### PHYSICAL & CHEMICAL PROPERTIES (PINE OIL-BASED LIQUID)

<b>Form</b>	Viscous Liquid	<b>Handling</b>	Non-Flammable. Keep containers closed to prevent ingress of water. Wear gloves & respiration apparatus when handling raw concentrate.
<b>Colour</b>	Amber, transparent Liquid		
<b>Odour</b>	Pine		
<b>pH (as manufactured)</b>	9.0 – 9.5	<b>Packing</b>	200 Kg Plastic Bung Drum (HD Poly-Propylene) 25Kg Blowpack (HD Poly-Propylene)
<b>Active Content</b>	Anionic Surfactant - 49% Non-Ionic Surfactant - 10% Pine Oil - 35% Total Activity 94%		
<b>Viscosity</b>	930cps @ 25°C Brookfield RVT #2 Spindle @ 5 RPM		
<b>Precautions</b>	May cause respiratory irritation.		

### MANUFACTURER/SUPPLIER

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### SAFETY & HANDLING

Always consult the Material Safety Data Sheet before Use



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PRODUCT CODE  
**PINEconc B2-CLR**

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### A. FORMULATIONS: **PINEconc B2-CLR (Pine Oil Based Cleaning/Disinfectant LIQUID)**

#### a. LIQUID Pine Disinfectant / Cleaner - Premium (8%)

Batch size - All weights in Kg

INGREDIENTS	%USE	100	200	300	500	1000
<i>PINEconc B2-CLR</i>	8%	8	16	24	40	80
Water	92%	92	184	276	460	920
OPTIONAL: DYE - QC	0.013%	0.013	0.026	0.039	0.065	0.13
Preservative: EcwaCide IT	0.1%	0.1	0.2	0.3	0.5	1.0
<b>TOTAL</b>	100%					

#### b. LIQUID Pine Disinfectant / Cleaner - Standard (6%)

Batch size - All weights in Kg

INGREDIENTS	%USE	100	200	300	500	1000
<i>PINEconc B2-CLR</i>	6%	6	12	18	30	60
Water	94%	94	188	282	470	940
OPTIONAL: DYE - QC	0.012%	0.012	0.024	0.036	0.06	0.12
Preservative: EcwaCide IT	0.1%	0.1	0.2	0.3	0.5	1.0
<b>TOTAL</b>	100%					

### DISCLAIMER / NON-WARRANTY

This product has been subjected to limited tests and has been shown to perform well. The information contained herein is to our best knowledge true and accurate, but since the conditions of use are beyond our control, Ecwamix Chemical Systems cc. disclaims any liability in connection with the use of this product and/or information. Warranty extends only as far as to the replacement of material shipped if not compliant with the specification as set out in the attached "Certificate of Analysis" and within the expiry period of the said product. All recommendations or suggestions are made without guarantee. It is good practice to conduct one's own application tests on a small area prior to using the product.



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# PINEcon B2-CLR

## TECHNICAL DATA SHEET

### A. FORMULATIONS: **PINEconc B2-CLR (Pine Oil Based Cleaning/Disinfectant LIQUID)**

#### c. LIQUID Pine Disinfectant / Cleaner – Economy (4%)

Batch size - All weights in Kg

INGREDIENTS	%USE	100	200	300	500	1000
<b>PINEconc B2-CLR</b>	<b>4%</b>	<b>4</b>	<b>8</b>	<b>12</b>	<b>20</b>	<b>40</b>
<b>Water</b>	<b>96%</b>	<b>96</b>	<b>192</b>	<b>288</b>	<b>480</b>	<b>960</b>
<b>OPTIONAL: DYE - QC</b>	0.01%	0.01	0.02	0.03	0.05	0.1
<b>Preservative: EcwaCide IT</b>	0.1%	0.1	0.2	0.3	0.5	1.0
<b>TOTAL</b>	<b>100%</b>					

### PROPERTIES/APPLICATIONS/USE

1. Charge mixing vessel with the Measured amount of **PINEconc B2-CLR**. Start the mixer at a moderate to high speed – avoid drawing in air at all times!
2. SLOWLY add the Required Amount of Water to this blend and stir until Fully Dissolved.
3. Optional: Add to this Blend a Measured amount of Colour (DYE) of Choice
4. Finally, add the required amount of Preservative (**EcwaCide IT**) and pack off

**Congratulations, you have just manufactured your first batch of LIQUID PINE Disinfectant/Cleaner!**

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### B. FORMULATIONS: PINEconc B2-CLR (Pine-GEL)

#### a. Pine – GEL : Disinfectant/Cleaner - Premium – 17% (Act :15.98%)

Batch size - All weights in Kg

INGREDIENTS	%USE	100	200	300	500	1000
<i>PINEconc B2-CLR</i>	17%	17	34	51	85	170
Colour - Dark Green (Appr.)	0.01%	0.01	0.02	0.03	0.05	0.10
Water	83%	83	166	249	415	830
<b>TOTAL</b>	100%					

#### b. Pine – GEL : Disinfectant/Cleaner - Standard – 15% (Act : 14.1%)

Batch size - All weights in Kg

INGREDIENTS	%USE	100	200	300	500	1000
<i>PINEconc B2-CLR</i>	15%	15	30	45	60	150
Colour - Dark Green (Appr.)	0.01%	0.01	0.02	0.03	0.05	0.10
Water	85%	85	170	255	440	850
<b>TOTAL</b>	100%					

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### B. FORMULATIONS: PINEconc B2-CLR (Pine-GEL)

c. Pine - GEL : Disinfectant/Cleaner - Econo – 12% (Act : 11.28%)

Batch size - All weights in Kg

INGREDIENTS	%USE	100	200	300	500	1000
<i>PINEconc B2-CLR</i>	12%	12	24	36	60	120
Colour - Dark Green (Appr.)	0.01%	0.01	0.02	0.03	0.05	0.10
Water	88%	88	176	264	440	880
<b>TOTAL</b>	100%					

### PROPERTIES/APPLICATIONS/USE

1. Charge mixing vessel with the Measured amount of *PINEconc B2-CLR*. Start the mixer at a moderate to high speed – avoid drawing in air at all times!
2. OPTIONAL: Now add the Measured amount of Colour (DYE-as required). Stir in then allow to stand until all air comes out.
3. Start the mixer. SLOWLY pour in all of the Required amount of Water. As the Blend starts to Thicken Up, Increase the Mixer Speed accordingly to keep drawing in the Water. Once all the Water has been added, a Clear (Coloured) GEL will be formed. Avoid entraining any air as this may remain in your Pine GEL, affecting its final appearance!
4. Pack off as required.

**Congratulations, you have just manufactured your first batch of PINE - GEL Disinfectant/Cleaner!**

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