

Technical Data Sheet

04January 2010

Product:

PINEconc-B2-CLEAR

Description:

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 **Ecwamix 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) Ecwamix 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.

Active Content:

Anionic Surfactant	- 49%
Non-Ionic Surfactant	- 10%
Pine Oil	- 35%
Total Activity	94%

A) Recommended DILUTIONS for LIQUID PINE OIL-Based CLEANERS/DISINFECTANTS:

- a. 1(**PINEconc B1-CLR**): 11(Water) (8%) – Premium Product - (7.52% Active)
- b. 1(**PINEconc B1-CLR**): 15(Water) (6%) – Standard Product - (5.64% Active)
- c. 1(**PINEconc B1-CLR**): 24(Water) (4%) – Economy Product - (3.76% Active)

Form:

Viscous Liquid

Colour:

Amber, transparent Liquid

Odour:

Pine

pH:

9.0 – 9.5

Viscosity:

930cps @ 25°C Brookfield RVT #2 Spindle @ 5 RPM

Packing:

200 Kg Plastic Bung Drum(HD Poly-Propylene)
25Kg Blowpack(HD Poly-Propylene)

Precautions:

May cause respiratory irritation.

Handling:

Non-Flammable. Keep containers closed to prevent ingress of water.
Wear gloves & respiration apparatus when handling raw concentrate.

**A. Suggested “*Pine Oil Based Cleaning/Disinfectant LIQUID*” formulations - using
*Ecwamix PINEconc B2 - CLEAR***

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

INGREDIENTS	% USE	Batch size - All weights in Kg				
		100	200	300	500	1000
<i>Ecwamix PINEconc B2 - CLR</i>	8.0%	8.00	16.00	24.00	40.00	80.00
Water	92%	92.00	184.00	276.00	460.00	920.00
OPTIONAL:DYE - QC	0.013%	0.013	0.026	0.039	0.065	0.130
Preser: <i>Ecwacide IT</i>	0.1%	0.1	0.2	0.3	0.5	1.0
Total	100.00%					

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

INGREDIENTS	% USE	Batch size - All weights in Kg				
		100	200	300	500	1000
<i>Ecwamix PINEconc B2 - CLR</i>	6%	6.00	12.00	18.00	30.00	60.00
Water	94%	94.00	188.00	282.00	470.00	940.00
OPTIONAL:DYE - QC	0.012%	0.012	0.024	0.036	0.06	0.120
Preser: <i>Ecwacide IT</i>	0.10%	0.1	0.2	0.3	0.5	1.0
Total	100.00%					

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

INGREDIENTS	% USE	Batch size - All weights in Kg				
		100	200	300	500	1000
<i>Ecwamix PINEconc B2 - CLR</i>	4.00%	4.00	8.00	12.00	20.00	40.00
Water	96.00%	96.00	192.00	288.00	480.00	960.00
OPTIONAL:DYE - QC	0.010%	0.01	0.02	0.03	0.05	0.1
Preser: <i>Ecwacide IT</i>	0.10%	0.1	0.2	0.3	0.5	1.0
Total	100.00%					

Directions for Use

1. Charge mixing vessel with the Measured amount of *Ecwamix 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 !!!!!!!!!!!***

B. Suggested "Pine - GEL" formulations - using

Ecwamix PINEconc B2 - CLEAR

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

INGREDIENTS	% USE	Batch size - All weights in Kg				
		100	200	300	500	1000
Ecwamix PINEconc B2 - CLEAR	17.00%	17.00	34.00	51.00	85.00	170.00
Colour - Dark Green	0.01%	0.01	0.02	0.03	0.05	0.10
Water	83.0%	83.00	166.00	249.00	415.00	830.00
Total	100.00%					

Appr.

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

INGREDIENTS	% USE	Batch size - All weights in Kg				
		100	200	300	500	1000
Ecwamix PINEconc B2 - CLEAR	15.00%	15.00	30.00	45.00	60.00	150.00
Colour - Dark Green	0.01%	0.01	0.02	0.03	0.05	0.10
Water	85.0%	85.00	170.00	255.00	440.00	850.00
Total	100.00%					

Appr.

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

INGREDIENTS	% USE	Batch size - All weights in Kg				
		100	200	300	500	1000
Ecwamix PINEconc B2 - CLEAR	12.00%	12.00	24.00	36.00	60.00	120.00
Colour - Dark Green	0.01%	0.01	0.02	0.03	0.05	0.10
Water	88.0%	88.00	176.00	264.00	440.00	880.00
Total	100.00%					

Appr.

Directions for Use

- Charge mixing vessel with the **Measured** amount of **Ecwamix PINEconc B2 - CLEAR**. Start the mixer at a moderate to high speed – avoid drawing in air at all times!
- OPTIONAL:** Now add the **Measured** amount of **Colour(DYE-as required)**, Stir in then allow to stand until all air comes out.
- 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(Coulored) GEL** will be formed. **Avoid entraining any air as this may remain in your Pine GEL, affecting its final appearance!**
- Pack off as required.

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

Disclaimer / Non-warranty

This product has been subjected to limited stability tests and has been shown to perform well. However formulators should establish their own long term stability and functionality tests. 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**. 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 safety/stability tests on all final Formulations prior to marketing.