

DIFFUSION

COOLANT & WATER-COOLING SYSTEM CLEANER



Manual

Revision 1.0

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Introduction

Diffusion Clear Collant Concentrate & Dyes

Diffusion is a clear coolant concentrate designed to be mixed with distilled or deionised water. It contains a premium inhibitor formulation that meets ASTM D1384 corrosion standards, which helps prevent a variety of issues and protects all the components in your loop.

A vital aspect of our builds has always been the coolant colours. Existing coolant colours often not the correct colour or not vibrant enough. So, we have always created our own unique colours to fit the themes and colour schemes of our builds. It is an important detail which can make your build more unique. With the included dyes you can easily create any colour you can imagine.

Diffusion Water-cooling System Cleaner

Diffusion is a clear coolant concentrate designed to be mixed with distilled or deionised water. It contains a premium inhibitor formulation that meets ASTM D1384 corrosion standards, which helps prevent a variety of issues and protects all the components in your loop.

Specifications

	Diffusion Water-cooling System Cleaner	Diffusion Clear Collant Concentrate	Diffusion Collant & Dye Kit
Included Items	1x 250ml	1x 250ml	1x Diffusion Clear Concentrate 250ml Diffusion Dyes 20ml - 1 set: 1x Red 1x Yellow 1x Blue
Features	Non-toxic and biodegradable. Safe for plastics and rubber seals. Cleans corrosion, rust, scale, microbial growth and other deposits.	Lowers temperatures. Non-toxic and biodegradable. Inhibitor package passes severe corrosion tests. Safe for plastics and rubber seals. Anti-corrosion protection for all materials used in computer water-cooling systems including aluminium. Lasts for at least 2 years if used at the correct concentration. Protects all cooling components.	
Package Dimensions	20mm(L) x 10mm(W) x 10mm(H)		
Package Weight	0.3 kg		

Manual

Diffusion Clear Coolant Concentrate

Mix the 250ml bottle of Diffusion Clear Coolant Concentrate with 750mls of Distilled or Deionized Water. Any Distilled or Deionized water is OK to use. If you prefer higher quality options then sourcing medical grade would be best. For more information on sourcing distilled / deionised water, contact us at support@singularitycomputers.com.

Coolant concentrate mixing accuracy is important and needs to be within $\pm 10\%$. Make sure the loop is clean prior to adding coolant. Cleaning with Diffusion Water-cooling System cleaner is recommended.

If correct conditions are met, the coolant will last 3-5 years. Discoloration is the most common sign the coolant needs to be replaced and also higher temperatures, so monitor your temperatures over time.

Diffusion Coolant & Dye Kit

Diffusion Coolant & Dye Kit comes with 3x 20ml bottles of dye so that you can create any coolant colour you desire. The dyes are Yellow, Red and Blue which means these coolant colours are the easiest to make because you do not have to mix dyes to create the colour. For creating custom colours first do a test in a small amount of water to see how the dyes will behave. The strongest dye is red so you do not require as much. Add dye slowly and wait for it to settle into the loop before slowly adding more to adjust the colours.

Diffusion Water-cooling System Cleaner

Use approximately 1x 250ml bottle of Diffusion Water-cooling System Cleaner per Litre. First fill your loop with deionised water and run it for 1 minute and then drain it. Add Diffusion Water-cooling System cleaner to your loop and then fill your loop with deionised water. Start the pump and circulate for 45 minutes. Then leave your system off for 1 hour, then run it for 1 minute and then drain the loop. Then fill your loop with distilled water and run it for 1 minute and drain it and repeat this three times. Singularity Diffusion Coolant is recommended.