

Environmental First for Cool Energy

Specialist chiller and cooling equipment provider - Cool Energy has launched a brand new **Biodegradable Glycol** which is 100% renewable for customers with a developing environmental impact plan.



The glycol, which is available now is provided in **25, 205 and 1,000** litre containers, it is also comparable in its thermal efficiency to mono propylene glycol, which is also used in food safe environments and can protect systems down to -30°C.



Bio Glycol

Non-Toxic for Safety

The **Cool Energy Bio** has been developed to provide an alternative to the current industrial use glycols and antifreezes available on the market and is derived from **Vegetable Extracts** that are non-toxic, which is essential in food, enclosed and public areas where spillages may occur.

Cool Energy Bio also contains non-toxic corrosion and scale inhibitors to protect all metal commonly found in chillers and HVAC Systems and is tested in accordance with **BS5117** and found to meet **BS6580** corrosion standards for mild and stainless steel, aluminium, copper, brass and cast iron. Zinc or galvanised components are not recommended for use with closed loop cooling. Solutions containing in excess of 50% **Cool Energy Bio** exhibit super cooling characteristics and do not freeze solid, alternatively the concern over possible expansion and burst pipework damage.



Dilution Guide Plan

Dilution Guide for Cool Energy Bio Freezing Point* °C	% v/v of Cool Energy Bio in the system	Refractive Index
-10	25%	1.355
-15	32%	1.362
-20	38%	1.367
-25	43%	1.372
-30	48%	1.380

No commercial disadvantage

Cool Energy in line with its environmental targets will be providing **Cool Energy Bio** at the same price as its food safe monopropylene glycol (blue) for the remainder of 2010 in order to encourage its customers to change.

A price to purchase or rent throughout the duration of customers' projects is available from Cool Energy local engineers.

Disposal

Throughout 2010, Cool Energy is also committed to disposing of **Cool Energy Bio** free of charge to its customers, should they need an option after the rental finishes.

A safety data sheet is also available for all customers.