

RECOFREEZE PG

PROVEN TECHNOLOGY FOR BRINE CIRCUITS



RECOFREEZE PG is a premium biodegradable coolant specifically designed to lower the temperature for 'brine circuits' in the wine making industry.

KEY FEATURES & BENEFITS

- Performance** - Chemically stable and a proven performer.
- Strong colour** - Easily detectable in brine circuits.
- Non flammable / Non regulated** - No requirements for expensive licensing are required. This is a key benefit and saves money on transport and storage.
- Evaporation** - Will not evaporate in the brine system saving money and time. No need for expensive 'top ups'.
- Biodegradable** - Non toxic, high flash point.
- Compatibility** - Freezing point tests for Alcool LF solutions highlight strong compatibility with industry recognised products.
- Dosage** - Similar to industry recognised rates.
- Packaging** - Available in bulk tanker loads, 200 litre drums and 1,000 litre IBCs adding convenience and improved inventory management.

BRINE CIRCUIT OPERATION

RECOFREEZE PG is suitable for brine systems in wineries and breweries. In wineries, RecoFreeze PG is suitable for the critical must chilling, cold stabilisation and must warming applications.

ASK ABOUT OUR COMPLIMENTARY SAMPLING AND ANALYSIS SERVICE.

TYPICAL CHARACTERISTICS

Density @ 15°C
Flash Point
Viscosity @ 40°C
pH (50% solution)
Reserve Alkalinity

1.04g/ml
110°C
28 cSt
9.5 - 10.5
12.0 min

Available in bulk tanker loads, 200 litre drums and 1,000 litre IBCs.

CORROSION PROTECTION

There are some brine systems that have only Glycol and or Ethanol in them. However, from the table below, these systems are likely to have serious corrosion problems over time. The results from ASTM D-1384 show the benefit our using RECOFREEZE PG, with the relevant brine system metals cast iron, steel and copper.

ASTM D-1384 Performance Data for RECOFREEZE PG Compared Against PG and Water

Coupon Type	Product Test Results (weight loss in mg/coupon)		
	RECOFREEZE PG	Unhibited PG	Unhibited Water
Copper	0.2	7.7	3.5
Solder	4.7	209	72
Brass	1.0	13.2	5.3
Cast Iron	+1.8	351	383
Steel	0.5	469	289
Aluminum	5.1	77	122

FREEZING POINT COMPARISONS

Product Concentrations (% by volume)	Alcool LF		RecoFreeze PG
	Freezing Point (°C)	Class 3 Flammable Liquid	Non Regulated Product
0	0.0	NO	0.0
5	-1.0	NO	-1.5
10	-2.0	NO	-3.2
15	-4.0	NO	-4.8
20	-6.0	NO	-7.3
25	-9.0	NO	-9.4
27	-10.2	NO	-10.2
30	-12.0	NO	-12.1
35	-16.0	NO	-15.3
37	-17.6	YES	-16.5
40	-20.0	YES	-20.2
45	-24.0	YES	-24.4
50	-28.0	YES	-31.2



QUEENSLAND
1809 Lytton Road
LYTTON QLD 4178
07 3308 5200

NEW SOUTH WALES
65 Fairford Road
Padstow NSW 2211
02 8709 9600

SOUTH AUSTRALIA
13 Moss Road
Wingfield SA 5013
08 8222 1333

recochem.com.au