



ALCOOL
refrigeration brine coolants

Formulated solutions to improve your cooling efficiency

Alcool delivers results
you can rely on

Servicing the
wine industry
for more than
20 years

**wilmar**

Get the formulation you need to deliver optimal results

Developed to meet the specific needs of the winery and refrigeration industries, our Alcool products offer a non-flammable antifreeze solution compatible with most current brine systems. With complimentary laboratory analysis and technical advice, and a range of sizes and formulations to choose from, there are many reasons to choose Alcool.



Safety focused

Alcool refrigeration systems are the safest way to achieve optimum refrigeration temperatures while maintaining a non-flammable storage environment.



Inhibits corrosion

The Alcool range of products contains a corrosion inhibitor to help maintain a corrosion-free brine system.



Leak detection

Alcool products are coloured with dyes to produce our distinctive vibrant brine. This makes it easy to identify potential leaks in your cooling system. The dye can be removed from most surfaces with some household bleach.



Low temperature

Alcool products facilitate a maximum freezing point of -9°C while maintaining low viscosity and non-flammable status (AS1940). Our on-site lab team can accurately formulate a brine system to meet your needs at whichever temperature you require, down to -16°C.



Cost effective

The Alcool range remains one of the most cost-effective formulated solutions in the market today.



ATO approved

Alcool products are excise exempt and do not require a permit for purchase.



Australia-wide delivery

Our products are available nationwide in a variety of pack sizes, including 200L drums, 1000L IBCs and bulk tankers.



Sustainable inputs

The ethanol used in Alcool products is made from bioethanol, a renewable product derived from molasses, which is produced in the manufacturing of sugar. (Alcool NF does not contain ethanol and is manufactured from 100% imported products).



Food-safe options

Under HACCP certification, having a food-grade refrigeration system can give food and beverage manufacturers an extra level of quality control. Alcool LFFG is manufactured with food-safe components.



Made in Australia

Alcool refrigeration products are made in Victoria from locally made and imported products. The ethanol component in Alcool, Alcool LF and Alcool LFFG has been distilled at our BioEthanol Distillery in Queensland using molasses derived from the sugar manufacturing process. Wilmar BioEthanol is certified by ISO 9001:2000.

Maintaining a safe brine system

According to AS1940, brine solutions with greater than 24% ethanol strength are considered flammable and therefore may not comply with the Australian Standard for storage and handling of flammable liquids. Wilmar BioEthanol recognised the challenge facing Australian wineries and developed Alcool LF and Alcool LFFG which allows winemakers to operate safe brine solutions while still achieving maximum refrigeration.

Technical support

We offer technical support to our Alcool customers to help optimise the refrigeration of their brine systems. Through our free testing service, our laboratory provides top-up recommendations based on a chemical analysis of your brine sample.

Testing is free of charge for customers who have purchased within the last 12 months.



Request a brine test or analysis



REORDER AND TESTING

1800 819 618

bioethanol@wilmar.com.au



Alcool products
are classified
non-flammable
in storage after
dilution.

Available in
bulk tankers,
1000L IBCs and
200L drums.

Which Alcool product is right for me?

ALCOOL

(Max freezing point -9°C)

Cost-effective, ethanol-based coolant with low viscosity. Suitable for systems operating temperature to -5°C.

ALCOOL LF *

(Max freezing point -16°C)

Ethanol coolant blend. Alcool LF is our most popular refrigeration product, offering cost-effective pricing while achieving low operating temperatures.

ALCOOL LFFG *

(Food grade, max freezing point -16°C)

Ethanol coolant blend. Alcool LFFG is a food-grade offering, achieving cost-effective pricing and low operating temperatures.

ALCOOL LF RTU

(Max freezing point -16°C)

Ethanol coolant blend diluted into a 'ready to use' format.

ALCOOL NF

(Non-flammable, max freezing point -20°C)

Alcool NF is a non-flammable coolant that contains no ethanol.

ALCOOL ADDITIVE

Used to convert current system to Alcool LF.

Product concentration (% by volume)	Alcool		Alcool LF/LFFG		Alcool NF	
	Freezing point (°C)	Class 3 Flammable Liquid	Freezing point (°C)	Class 3 Flammable Liquid	Freezing point (°C)	Non-Flammable Liquid
0	0.0	No	0.0	No	0.0	No
5	-1.4	No	-1.0	No	-1.0	No
10	-2.9	No	-2.0	No	-2.0	No
15	-4.6	No	-4.0	No	-4.0	No
20	-6.8	No	-6.0	No	-6.0	No
25	-9.0	No	-9.0	No	-9.0	No
27	-10.1	Yes	-10.2	No	-10.2	No
30	-11.7	Yes	-12.0	No	-12.0	No
35	-14.7	Yes	-16.0	No	-16.0	No
37	-16.1	Yes	-17.6	Yes	-17.6	No
40	-18.2	Yes	-20.0	Yes	-20.0	No
45	-22.4	Yes	-24.0	Yes	-24.0	No
50	-26.2	Yes	-28.0	Yes	-28.0	No

ALCOOL refrigeration brine coolants

DISCLAIMER *Alcool products are flammable in concentrated form. Until diluted, Alcool products need to be stored and handled in accordance with AS1940, the storage and handling of flammable and combustible liquids. Excludes Alcool LF additive, which is non-flammable in concentrated form.

When diluted as recommended, Alcool brine systems are considered non-flammable. However, aqueous solutions containing ethanol may give off flammable vapour in some conditions and may form flammable mixtures with air. Refer to the relevant Alcool MSDS & AS1940 for additional information.