

**Product Information Sheet:****Date: 3.2.2016****Ref: AP/ANU/02**

## AGCO Parts Antifreeze Ultra *with OAT Technology*

### AGCO Parts references:

VACC3728	1 ltr
VACC3729	5 ltr
VACC3730	20 ltr
VACC3731	205 ltr

### Applications

Antifreeze Ultra with OAT Technology will protect all engines from frost damage right down to  $-40^{\circ}\text{C}$  (at 50% of total coolant volume). It also provides outstanding protection against rust and corrosion for all parts of the cooling system and is therefore recommended for all year round use. This Ethylene Glycol based antifreeze, which uses Organic Acid technology, is free from nitrites, amines, phosphates, borates and silicates. When used at the correct concentration, coolants based on Organic Acid Inhibitor Technology are capable of providing extended operation compared to conventional antifreeze. This can be for up to 5 years providing the concentration is checked and maintained on a regular basis.

### Main Benefits

- It does not allow rust or corrosion to take place with cast iron, aluminium, copper alloys, solder, or any other metals found in the engine cooling system and therefore prolongs the life of the block, cylinder liners, radiator, pump and heater system.
- Does not form sediment, precipitate additives or form gels and actually prevents premature radiator blocking.
- It has no adverse effects on rubber hoses or gasket materials and will not cause leaks.
- No need to drain at the end of the season, Anti-freeze Ultra lasts up to five years in service, when a 50% solution is maintained.
- This antifreeze does not form harmful foam inside the system.
- Compatible with all good quality OAT ethylene glycol antifreezes.

### Specifications

Exceeds the requirements of most European and International Standards, including:

ASTM D3306  
ASTM D 4985  
SAE J 1034  
BS 6580 (2010)  
AFNOR NF R15-601\*  
FFV Heft R443  
CUNA NC 956-16  
UNE 26361 - 88  
JIS K 2234 \*  
NATO S 759

(\* with the exception of reserve alkalinity)

It also meets the performance requirements of the following OEM specifications:

Chrysler MS 9176  
Cummins CES 14603  
Ford ESE M97B49-A, WSS-M97B44-D &ESD M97 B49-A  
GM 1899 M, US 6277 M & OPEL GM QL130100  
John Deere H 24 B1 & C1  
Leyland Trucks LTS 22 AF 10  
Mack 014GS 17004  
MAN 248, 324 (SNF) & B&W D 36 5600  
Mercedes MB 325.3  
Renault 41-01-001 - D  
VAG TL 774 D/F  
VOLVO VCS STD 418-0001  
Scania TB 1451  
DAF 74002

## Directions for use

Must be diluted with water before use, preferably deionised or demineralised. It is hard water compatible and can be mixed with tap water\* before filling into the cooling system to give solutions in the concentration range of 33 to 50% by volume.

Solution % Vol.	Freezing Point °C	Boiling Point °C	SG Reading
25	-12	103	1.040
33	-20	105	1.055
50	-40	110	1.086

*\*For preparation of the coolant use clean, not overly hard tap water. Waste water from mining, sea water, brackish water, brine, industrial waste water are all unsuitable.*

## Storage

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

## Health, Safety and Environment

Health, safety and environmental information is provided for this product in the Materials Safety Data Sheet. This gives details of potential hazards, precautions and First Aid measures, together with environmental effects and disposal of used products.

You should ensure that the product is only used for the purpose specified.

## Typical Characteristics

Freezing Protection °C (50% vol. in water)	-40
Colour	Clear Bright Red/Orange
Density at 15°C	1.125 (neat)
Reserve Alkalinity, 0.1N HCL	7.5
pH (50% in water)	8.2
Equilibrium Reflux Boiling Point °C	165
Foaming Test ASTM D1384	Pass
Corrosion Test ASTM D1384	Pass

The above figures are typical of those obtained with normal production tolerance and do not constitute a specification.

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You should always refer to the relevant machine Operators Instruction Manual and only use correct specifications advised