

# swd PERMACOOL Ultra

## Longlife Antifreeze for Motor Vehicles

### Description and Application

swd PERMACOOL Ultra is a antifreeze based on ethylenglycole, to be used for all motor vehicles, which require silicate-free products (e.g. Ford, GM and MAN). It is applicable for all established engines inclusive the modern high performance aluminium-motors.

It is compatible with all coolant brands( also VW G 11).

#### swd PERMACOOL Ultra

- may be used a life time through for grey iron - and alu motors
- protects all metallic materials in the system
- is eco friendly, because it is free of nitrites, amines, phophates and silicates
- provides all-seasons protection of the cooling system

Mixing figure :	protection down to	-15°C	-25°C	-37°C
PERMACOOL Ultra	% vol	30	40	50
Tap water	% vol	70	60	50

### Qualification

❖ VW (G12+)	TL 774 - D / F	❖ Audi, SEAT, SKODA	TL 774 -D / F
❖ MB	325.3	❖ MAN	MAN 324 SNF
❖ Ford	WSS-M 97B44-D	❖ MTU	MTL 5048

### Technical Properties

swd PERMACOOL Ultra	unit	value
Density at 20°C	kg/m <sup>3</sup>	1120
Colour		violet
Pour Point	°C	-24
Flash Point	°C	>100
pH (35%)		7,5 - 8,5
Boiling Point	°C	>170

**Article-Number :** 39142

Specification variations in these characteristics may occur.  
The instructions of manufacturer must be regarded.  
Further informations to be available by MSDS.

**Swd Lubricants GmbH & Co. KG**  
Am Schlütershof 26  
D-47059 Duisburg  
Tel.: 0203 / 3191940  
Fax: 0203 / 3466540