



ShellZone Multi-Vehicle *Antifreeze/Coolant 50/50*

Premium pre-diluted antifreeze/coolant product

ShellZone® Multi-Vehicle Extended Life Antifreeze/Coolant 50/50 is a premium quality, pre-diluted antifreeze/coolant that has been tested to be compatible with all automotive and light duty truck antifreeze/coolant products available in the market today. It does not contain any amine, borate, nitrite or phosphate. When used in a flush and refill service of the cooling system, the product will provide 5 years, or 150,000 miles of service (which ever occurs first). ShellZone® Multi-Vehicle Extended Life Antifreeze/Coolant not only guards against freezing and boil-over, it also provides critical protection against corrosion forming on system components, including aluminium.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- For all makes and models of passenger cars and light duty trucks
- 5 years / 150,000 mile service life when used during complete drain and fill
- Excellent protection during high operating temperatures
- Protects against water pump cavitation
- Protects against corrosion
- Does not change color when added to existing fluid

Main Applications

- SHELLZONE® MULTI-VEHICLE EXTENDED LIFE ANTIFREEZE/COOLANT 50/50 is recommended for all automotive and light duty truck cooling systems not requiring the use of SCA's, regardless of color. When used as is (pre-diluted 50/50 ratio of antifreeze to deionized water), the solution will provide protection over a temperature range of -34°F to +265°F with a system using a 15-psi radiator cap.

Specifications, Approvals & Recommendations

- ASTM D3306

For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Helpdesk.

Typical Physical Characteristics

Properties		Method	ShellZone Multi-Vehicle Antifreeze/Coolant 50/50
Color and Odor		Visual	Yellow; Characteristic Odor
Specific Gravity	60/60°F	ASTM D1122	1.060
pH, 50% Solution		ASTM D1287	8.5
Freeze Pt., 50/50 Dilution	°C (°F)	ASTM D1177	-37°C (-34°F)
Boiling Point	°C (°F)	ASTM D1120	+108°C (+226°F)
Flash Point	°C (°F)	ASTM D92	None
Auto Finish Effect		ASTM D1882	No effect
Density, lb/US gal	@60°F	Conversion	9.36
Ash Content	weight %	ASTM D1119	0.399
Reserve Alkalinity	ml	ASTM D1121	2.0
Foaming Tendencies		ASTM D1881	30 ml max, <1 sec break time

These characteristics are typical of current production. Whilst future production will conform to Shell's specification, variations in these characteristics may occur.

Health, Safety & Environment

- **Health and Safety**

ShellZone Multi-Vehicle Antifreeze/Coolant is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.

Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.

Guidance on Health and Safety is available on the appropriate Safety Data Sheet, which can be obtained from your Shell representative.

- **Protect the Environment**

Take used oil to an authorised collection point. Do not discharge into drains, soil or water.

Additional Information

- **Advice**

Advice on applications not covered here may be obtained from your Shell representative.