



# ShellZone Multi-Vehicle Antifreeze/Coolant

## ShellZone® Multi-Vehicle Extended Life Antifreeze and Summer Coolant

ShellZone® Multi-Vehicle Extended Life Antifreeze and Summer Coolant is a premium quality antifreeze/coolant that has been tested to be compatible with all automotive and light duty truck antifreeze/coolant products available in the market today. 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 and 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 AND SUMMER COOLANT is recommended for all automotive and light duty truck cooling systems not requiring the use of SCA's, regardless of color. When used at a 50/50 ratio of antifreeze to good quality 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

SHELLZONE® MULTI-VEHICLE EXTENDED LIFE ANTIFREEZE AND SUMMER COOLANT meets or exceeds ASTM D3306, and has been evaluated against:

- ASTM D4340 Hot Service Aluminum Protection
- ASTM D1384 Corrosion Protection
- ASTM D2809 Water Pump Cavitation
- ASTM D1881 Foaming Characteristics
- ASTM D2570 Metal Protection

Recommended Applications:

- Suitable in mixtures with all major coolant types for service fill
- Dilute to desired freeze point with high quality water before use

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
Color and Odor		Visual	Yellow; Characteristic Odor
Specific Gravity	60/60°F	ASTM D1122	1.1216
pH, 50% Solution		ASTM D1287	8.3
Freeze Pt., 50/50 Dilution	°C (°F)	ASTM D1177	-36.7°C (-34°F)
Boiling Point	°C (°F)	ASTM D1120	+173°C (+345°F)
Flash Point	°C (°F)	ASTM D92	130°C (266°F)
Auto Finish Effect		ASTM D1882	No effect
Density, lb/US gal	@60°F	Conversion	9.36
Ash Content	weight %	ASTM D1119	0.798
Reserve Alkalinity	ml	ASTM D1121	3

Properties	Method	ShellZone Multi-Vehicle Antifreeze/Coolant
Foaming Tendencies	ASTM D1881	30 ml max, <1 sec break time
Product Code		-
55 Gal Drum 50/50		550022294
55 Gal Drum Conc		550022293
6/1 Gallon 50/50		5066325
6/1 Gallon Conc		5066315

These characteristics are typical of current production. While 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 Material Safety Data Sheet, which can be obtained from your Shell representative.

### • Protect the Environment

Take used oil to an authorized 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.