



**SHELL HD COOLANT**  
**ENERGISED PROTECTION**

# SHELL HD ANTIFREEZE/COOLANT-N

• NITRITED CONVENTIONAL FOR HEAVY DUTY DIESEL ENGINES

## PROVEN PROTECTION

Shell HD Antifreeze/Coolant-N is a high-quality, fully formulated ethylene glycol engine antifreeze/coolant providing effective heat transfer and all-weather, year-round performance for heavy duty applications. It contains borate, nitrite, nitrate, and silicate corrosion inhibitors to provide Energised Protection of cooling-system parts.

Shell HD Antifreeze/Coolants have improved heat transfer properties that:

- Protect against freeze and boil over
- Protect against all forms of corrosion
- Protect against oxidation
- Protect against scaling
- Protect against foaming
- Improve oxidation stability

## TRIPLE PLC BENEFITS

- **Protection:** Provides corrosion protection for cooling-system parts and provides pitting protection for cylinder liners
- **Long Life:** Provides up to 3,000 hours or 240,000 km of service in heavy-duty applications under normal operating conditions.
- **Compatible:** Compatible with other similarly formulated antifreezes, hoses, elastomer and seals, as well as conventional Supplemental Coolant Additives.

## SPECIFICATIONS AND APPROVALS

Shell HD Antifreeze/Coolant-N is recommended against the following specifications in on-road and off-road farm, mining and construction equipment.

### SUITABLE FOR USE IN THE FOLLOWING APPLICATIONS:

ASTM D3306, D4985, D6210. AS/NZS 2108.1: 1997 "Type A." Caterpillar (other than EC-1). Cummins Bulletin 3666132. DaimlerChrysler MS 7170. Detroit Diesel 7SE298 and 93K217. Ford ESE-M97B44-A, ESE-M97B18-C. Freightliner 48-22880. General Motors 1825M, 1899M, Heavy Truck. International (IT&E) CEMS B-1. John Deere H24. Kenworth RO26-170-97. Mack Truck. New Holland WSN-M97B18-D. PACCAR. Peterbilt 8502.002. SAE J1034, J1941. TMC RP 329. Volvo Heavy Truck. US Fed A-A-870-A.



DESIGNED TO MEET CHALLENGES



## SHELL HD A/C-N – APPLICATION GUIDE



Shell HD Premium Antifreeze/Coolant is recommended for use in the cooling systems of on-road vehicles and in farming, mining and construction off-road equipment.

## DIRECTION FOR USE

For best results before installing Shell HD Antifreeze/Coolant-N, drain the cooling system completely. Flush thoroughly and inspect the cooling system to be sure it is clean, watertight and in good working condition. Add Shell HD Antifreeze/Coolant-N Concentrate with demineralised or deionized water as shown in the protection chart to achieve the desired level of freeze and boil-over protection.

## ALL-CLIMATE YEAR-ROUND PROTECTION CHART

Volume % Shell HD Antifreeze/coolant concentrate	Volume % Water	Against Freezing*	Against Boil-over*
60%	40%	-52°C	132°C
50%	50%	-37°C	129°C
40%	60%	-24°C	107°C

Shell HD Antifreeze/Coolant ready to use (non concentrate)	Against Freezing*	Against Boil-over*
<b>As sold</b>	-37°C	129°C

\*Using a 103.4 kPa pressure cap

## OUR COMPLEMENTARY RANGE

In addition to the full range of Shell HD Antifreeze/Coolants, Shell Lubricants also offers a complete portfolio of lubricants for every part of your equipment, including Shell Rimula heavy duty engine oils, Shell Spirax gear and axle oils, Shell Donax transmission fluids and Shell Retinax greases.

## HEALTH SAFETY AND ENVIRONMENT

Warnings: Contains ethylene glycol/diethylene glycol. Harmful or fatal if swallowed. May cause CNS depression. DO NOT take internally. If swallowed, IMMEDIATELY contact a poison control centre, emergency treatment centre or physician. Wash thoroughly after handling. Do not store in open or unlabeled containers. Dispose of used product properly. KEEP OUT OF REACH OF CHILDREN AND ANIMALS.

Harmful or fatal if swallowed, contains bitterant to aid in the prevention of swallowing.

### Protect the Environment

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



**For more information contact your local Shell representative  
or visit [www.Shell.com](http://www.Shell.com).**