

Product	Sinopec FD-2A Ethylene Glycol Base Heavy-duty Engine Coolant
Summary	Product description Sinopec FD-2A Ethylene Glycol Base Heavy-duty Engine Coolant is formulated using ethylene glycol and corrosion inhibitors by the international advanced silicate technology. This product is suitable for use as a coolant and antifreeze in the radiator systems of all types of internal combustion engines.

Available sizes



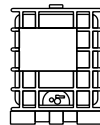
4L



PAIL – 18L



DRUM – 200L



IBC – 1000L

Also
available
in bulk

Applications

Sinopec FD-2A Ethylene Glycol Base Heavy-duty Engine Coolant is suitable for use in:

- Radiator systems of petrol, diesel, LPG and CNG-fuelled engines in passenger cars, trucks and buses.
- Radiator systems of modern aluminium alloy engines.

Features and benefits

- Using the international advanced silicate mixed formulation, meeting for the request of North America and Europe coolant.
- Providing excellent protection against crevice corrosion in aluminium, protecting the radiator components.
- Incorporates highly active corrosion inhibitor to prevent various cavitation erosion in the cooling system of heavy duty engine.
- Fully compatible with rubber tubing and sealing materials, and so prolonging the service life of water pump and seals.
- Good stability enables the product to be stored year round.

Product Data Sheet

Typical data

Sinopec FD-2A Ethylene Glycol Base Heavy-duty Engine Coolant	
Colour, visual	Green
Specific gravity @ 20°C, kg/m ³ , ASTM D 1122	1081
Boiling point, °C, ASTM D 1120	111
Freezing point, °C, ASTM D 1177	-46
pH, ASTM D 1287	10.30
Foaming, ASTM D 1881	
volume, ml, max.	35
break time, sec, max.	2.0
Effect on automotive finish, ASTM D 1882	No effect
Corrosion in glassware, weight loss, mg/specimen, ASTM D 1384	
copper	1.1
brass	0.7
steel	0.6
cast iron	0.4
solder	2.1
aluminium	0.8
Simulated service test, weight loss, mg/specimen, ASTM D 2570	
copper	1.2
brass	2.0
steel	0.8
cast iron	2.0
solder	2.1
aluminium	1.5
Corrosion of cast aluminium alloys at heat-rejecting surface, mg/cm ² /week, ASTM D 4340	0.22
Cavitation erosion rating for pitting, cavitation and erosion of the water pump, ASTM D 2809	9

These data are given as an indication of typical values and not as exact specifications.

Industry and OEM specifications

Sinopec FD-2A Ethylene Glycol Base Heavy-duty Engine Coolant meets the performance requirements of the following industry specifications:	
ASTM	D3306, D 6210

Product Data Sheet

Accuracy of information

Data provided in this PDS is typical and subject to change as a result of continuing product research and development. The information given was correct at the time of printing. The typical values given are subject to variations in the testing procedures and the manufacturing process may also result in slight variations. Sinopec guarantees that its lubricants meet any industry and OEM specifications referred to on this data sheet.

Sinopec cannot be held responsible for any deterioration in the product due to incorrect storage or handling. Information on best practice is available from your local distributor.

Product and environmental safety

This product should not cause any health problems when used in the applications suggested and when the guidance provided in the Material Safety Data Sheet (MSDS) is followed. Please consult the MSDS for more detailed advice on handling; MSDSs are available from your local distributor. Do not use the product in applications other than those suggested.

As with all products, please take care to avoid environmental contamination when disposing of this product. Used coolant should be sent for reclamation/recycling or, if not possible, must be disposed of according to relevant government/authority regulations.

The SINOPEC trademark is registered and protected.

Issued: March 2017

© Sinopec 2017

Sinopec FD-2A Ethylene Glycol Base Heavy-duty Engine Coolant