KALIKA Concentrate Antifreeze/ Coolant

Low silicate Additive Technology Coolant Concentrate

KALIKA Concentrate Antifreeze/ Coolant is phosphate-free, nitrite free, and amine-free, fully formulated low silicate additive technology engine coolant. This product does not require a charge of supplemental coolant additive (SCA) during the initial fill.SCA addition is application dependent and should only be added as and when required by the vehicles OEM.
KALIKA Concentrate Antifreeze/ Coolant is designed for use in automotive, light duty and heavy-duty diesel applications.

Applications
KALIKA Concentrate Antifreeze/ Coolant can be used in automotive and heavy- duty applications. It is compatible with heat rejecting aluminium surfaces and is suitable for use in Petrol, natural gas and Diesel powered engines.

This product is particularly suited in applications which require a low- silicated, and NAP Free (nitrites/ amines/ phosphates free). The product is a concentrated antifreeze/coolant and should be diluted 70% with good quality water (demineralised or deionised) before use.

Performance Features and Benefits
Long life hybrid organic acid technology
In Petrol Engine applications, this product is suitable for up to 3 years or 150,000km, whichever comes first. In Diesel applications, the product is suitable for up to 3 years, 1,50,000km.

NAP free
Product is free of nitrite, amine and phosphate and as such meets the basic requirements of European OEMs.

1 No initial charge SCA requirement

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

Shelf Life
When stored undercover, away from moisture and direct sunlight, this product should be suitable for use for up to three years after manufacture.

1 Universal use
Product can be used in all engine types including automotive, light and heavy duty gasoline and diesel engines. Applications include on-road, off- road, farm, construction and mining equipment

Widely compatible with other coolants
Product is widely compatible with other engine coolants; although to get best performance (regarding issues such as long life and time between SCA addition), it is best to flush the old coolant and replace with KALIKA Concentrate Antifreeze/ Coolant.

Specifications and Approvals
KALIKA Concentrate Antifreeze/ Coolant is recommended for use with the following engine coolant specifications:-

- BS 658(GB),
- FVV Heft R 443 (D) ,
- Afnor R 15/601 (1) (F) ,
- ASTM D 3306 and 4985 ,
- SAE J 1034 (1) ,JIS K 2234 (1) (J)
- KSM 2142 (K) ,
- NATO S 75,
- CUNA NC 956-16 (I) ,
- UNE 26361-88 (E) ,
- EMPA (CH) ,
- VW 774TL-C

Protect the Environment
Take used coolant products to an authorised collection point. Do not discharge into drains, soil or water.

- **Typical Physical and Chemical Characteristics**

Property	Type I	Results
Relative density 15.5/15.5°C (60/60°F)	1.110 to 1.145	1.125
Freezing point, °C 30% aqeous solution 50% aqeous solution	 -14.50 °C max -37 °C max	 -28.2°C -42.2°C
Boiling polint, °C Unduluted	 163 min	 165
Ash content, mass %	5 max	0.15
pH: 50 vol % in DI water	7.5 to 11	9.15
Water, mass %	5 max	4.2
Effect on automotive finish (use clear Coat thermostat urethane or acrylic urethane finish)	No effect	No effect
Corrosion in glassware(@ 30% dilution)		
Weight loss, mg/specimen Copper Solder Brass Steel Cast iron Aluminum	 10 max 30 max 10 max 10 max 10 max 30 max	 0.12 2.19 0.15 0.11 0.18 1.65
Simulated services test(@ 30% dilution) Weight loss, mg/specimen Copper Solder Brass Steel Cast iron Aluminum	 20 max 60 max 20 max 20 max 20 max 60 max	 2.29 8.13 0.19 0.12 0.53 5.76
Corrosion of Cast Aluminum Alloys at Heat-Rejecting Surfaces, mg/cm²/week	1.0 Max	0.115
Foaming ML max AS PER IS 5759:2006	4 max	Nil