PRODUCT CERTIFICATE

DURAN LUBRICANTS & CHEMICALS GmbH

ASTRON Antifreeze A 048

Premium radiator anti-freeze

Properties

ASTRON Antifreeze A 048 is a radiator corrosion inhibitor and anti-freeze agent based on ethylene glycol. It is free of any potentially hazardous substances such as nitrites, amines and phosphates. Due to an optimal combination of inhibitors based on the carboxyl technology as well as silicates and borates (hybrid coolant).
ASTRON Antifreeze A 048 assures efficient and long lasting protection from corrosion for an extended coolant service life. Further additives prevent foaming of the coolant liquid, provide correct cavitation protection and prevent deposits.
ASTRON Antifreeze A 048 offers a year round, maintenance-free anti-freeze and over-heating protection due to an higher boiling point. The product does not have any negative effect on coolant hoses or cylinder head gaskets.

Specifications:

- ASTM D 3306 / 4985 / 6210
- SAE J 1034
- BS6580 (2010)
- AFNOR NF R15-601
- JIS K2234

Recommendations*:

- VW TL 774 C
- MB 325.0 (DTFR 29D100)
- GM B 040 0240
- GM Europe L1301
- Chrysler MS7170
- BMW GS 94000
- MAN 324 Typ NF
- MTU MTL 5048
- Deutz DQC CA-14

Use instructions

ASTRON Antifreeze A 048 - mixed with the correct amount of water – can be used without restrictions as a thermal transfer fluid in internal combustion engines made in cast iron, aluminium or a combination of these metals, and radiator systems made in aluminium or copper alloys. We recommend maintaining a concentration of 50% (v/v) during all seasons.
Caution: Observe manufacturer instructions.

ASTRON Antifreeze A 048	Proportion of water	Frost resistance until:
1	2	-18 °C
1	1,5	-24 °C
1	1	-36 °C

TYPICAL PARAMETERS	METHODS	UNITS	ASTRON Antifreeze A 048
Density at 20°C	DIN 51 757	g/cm³	1,123
Reserve alkalinity (pH 5.5)	ASTM D 1121	ml 0,1 n HCl	15
Boiling point	ASTM D 1120	°C	170
pH	ASTM D 1287	-	8.0
COC flash point	DIN EN ISO 2592	°C	>120
Frost protection at 50 vol. %	ASTM D 1177	°C	-36
Colour	-	-	Blue-green

* meets the requirements of the OEM manufacturer.
The stated values may vary within the usual commercial range.

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ASTRON® Power in every molecule

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Health, Safety and Environment – information is provided for products in the relevant Safety Data Sheet.

MADE IN GERMANY