

Coolelf Auto Supra -26°C

Ready-to-use coolant • O.A.T.

DESCRIPTION

COOLELF AUTO SUPRA -26°C is the top-of-the-range product of our cooling liquid range.

COOLELF AUTO SUPRA -26°C is a “very-long-life” coolant based on mono ethylene glycol and organic corrosion inhibitors.

COOLELF AUTO SUPRA -26°C is a cooling liquid, that can be used in all cooling systems of combustion engines in cars, vans, trucks, buses, constructing machines and agricultural tractors.

COOLELF AUTO SUPRA -26°C contains no silicates, phosphates, chromates, nitrites or boron.

SPECIFICATIONS

COOLELF AUTO SUPRA -26°C meets the **international specifications** for antifreezes:

- NFR 15-601-91
- ASTM D3306-20
- ASTM D4656-98
- ASTM D6210-17
- BS 6580.2010
- FVV Heft R530
- FVV Heft R443
- KS M 2142:2014
- MIL-BT-PS-606 A
- MIL-DCSEA 615/C
- MIL-E/L-1415b
- MIL-FSD 8704
- NATO S-759
- Önorm V5123
- UNE 26-361-88/1
- GB 29743-2013
- GB 27943.1-2022
- TMC RP 364
- GB 29743 LEC-II

COOLELF AUTO SUPRA -26°C is obtained by dilution in deionized water of an **antifreeze officially approved by** the following manufacturers:

- VW SEAT AUDI SKODA PORSCHE: TL 774 D / F (G12/G12+)
- FORD WSS-M97B44-D
- MAZDA MEZ MN 121D
- JAGUAR LAND ROVER STJLR 651.5003
- MAN 324 Typ SNF
- DEUTZ DQC CB-14
- CATERPILLAR GCM34
- DAF 74002
- GMW 3420 / GMW 18270
- JENBACHER TA 1000-0200
- MWM 0199-99-2091/12
- WARTSILA 32-9011
- CUMMINS ISBe engines
- CUMMINS CES 14439
- LIEBHERR MD1-36-130
- MTU MTL 5048
- SAAB B 040 1065
- LEYLAND TRUCKS DW03245403
- BERGEN ENGINES 2.13.01
- SKODA 61-0-0257
- JAGUAR CMR 8229
- CW MAN 175D
- MAN B&W D36 5600
- DETROIT DFS93K217
- DETROIT DFS93K227
- SACM DIESEL DLP799861
- FOTON Q-FPT 2313005-2013
- CATERPILLAR GCM34
- BYD

COOLELF AUTO SUPRA -26°C meets the requirements of:

- RENAULT TRUCKS 41-01-001/--S
- CASE NEW HOLLAND MAT 3624
- CASE NEW HOLLAND MAT 3724
- MACK 014 GS 17009
- KOMATSU 07.892 (2017)
- CUMMINS CES 14603
- IVECO 18-1830
- FIAT 9,55523
- JOHN DEERE JDM H5
- DAIMLER DTFR 29D110 (former MB 326.3)

TotalEnergies

TotalEnergies Lubrifiants
Immeuble Spazio
562, avenue du Parc de l’île
92029 Nanterre Cedex France

Coolelf Auto Supra -26°C | Sheet updated: 06/2024

This coolant used in accordance with our recommendations and for the application for which it is intended does not represent a special hazard. A safety data file conforming to the requirements of current EC legislation is available from your local trade consultant.

CHARACTERISTICS

COLOUR	-	PINK TO FLUORESCENT ORANGE
Density at 15°c	ASTM D1122	1.053
PH	ASTM D1287	8.6
Alkalinity reserve (PH 5.5)	ASTM D1121	2.2ML HCI 0.1 N
Freezing point	ASTM D1177	-27°C
Boiling Temperature	ASTM D1120	106°C

The typical characteristics mentioned represent mean values

APPLICATION

PROTECTION ALL YEAR ROUND

COOLELF AUTO SUPRA-26°C ensures maximum protection against freezing, until -26°C.

READY TO USE PRODUCT

COOLELF AUTO SUPRA-26°C is ready for use, as a mix with demineralized water.

MULTI-MATERIAL COMPATIBILITY

COOLELF AUTO SUPRA-26°C can be used for cast iron as well as aluminum engines, and in engine radiators in aluminum or copper alloy.

COOLELF AUTO SUPRA-26°C is inert to elastomeric seals and paints.

LIFETIME

Recommended coolant change interval*:
- 500 000 km/4 years when used in trucks
- 250 000 km/5 years when used in cars.

**It is recommended to refer to the vehicle's maintenance manual.*

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CUSTOMER BENEFITS

VERY LONG-TERM PROTECTION AGAINST METALS CORROSION

Organic technology ensures a long-term action to offer maximum protection against any type of corrosion,
erosion and cavitation, even at high temperatures.

MAXIMUM HEAT TRANSFER

The organic additives in **Coolelf Auto Supra -26°C** give to the coolant:
- Chemical neutrality (pH 7 - 8.5),
- A reserve of alkalinity to neutralize the acids resulting from the combustion gases,
- Resistance to foaming,
- Compatibility with hard water (maximum 40°F).

Avoids formation of deposits (no risk of limescale) and leaves surfaces clean.

HSE

All antifreezes and coolants based upon mono ethylene glycol are regarded as special industrial wastes and must be disposed of in approved centres for environmental reasons.

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PERFORMANCES

ASTM D1384: GLASSWARE CORROSION TEST (336h / 88°C / 33% vol)

	WEIGHT LOSS (mg/coupon)					
	Copper	Solder	Brass	Steel	Cast Iron	Aluminium
ASTM D3306 LIMITS	10	30	10	10	10	30
Coolelf Auto Supra	1.9	0.1	1.6	-0.5	-1.4	4.6

ASTM D4340: ALUMINIUM HEAT REJECTION TEST (25% vol)

	WEIGHT LOSS (mg/cm²/week)
ASTM D3306 LIMITS	1.0
Coolelf Auto Supra	<0.2

ASTM D2570: SIMULATED SERVICE TEST (48H/25%VOL)

	WEIGHT LOSS (mg/coupon)					
	Copper	Solder	Brass	Steel	Cast Iron	Aluminium
ASTM D3306 LIMITS	20	60	20	20	20	60
Coolelf Auto Supra	2.0	1.0	2.0	1.0	-3.0	1.0

ASTM D6210: HEAVY DUTY ENGINE COOLANTS

As stated in latest revision of ASTM D6210: “coolants that have completed the Test Method D7583 (test method to demonstrate coolant cavitation protection performance) with a maximum pit count of 200 are regarded as passing ASTM D6210”

ASTM D7583: JOHN DEERE DIESEL ENGINE COOLANT CAVITATION TEST RESULT:

LINER NUMBER	1	2	3	4	5	6	TOTAL
PIT COUNT Coolelf Auto Supra	31	38	18	16	19	9	131
D7583 REQUIREMENT							<200

Coolelf Auto Supra trade name on tables represent either concentrated antifreeze or different dilutions of the concentrated product as per official test parameters.

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PERFORMANCES

AGING TEST: VERY SEVERE CORROSION TEST

TEST CONDITIONS	TYPICAL CONDITIONS	SEVERE CONDITIONS
TEST DURATION	169 h	504 h
FLUID CONTENT	5.0 L	6.0 L
PRESSURE	1.5 Bar	2.5 Bar
FLOW	3.0 L/min	3.5 L/min
HEAT INPUT	5500 W	5000 W
TEMPERATURE IN HEATING VESSEL	95°C	115°C
TEMPERATURE IN COOLING VESSEL	75°C	95°C
CONCENTRATION OF COOLANT IN WATER	40% vol	20% vol

REFERENCE COOLANT	Al (SAE 329)	AlMn	CAST IRON	STEEL	Cu	CuZn	SOLDER CB
AFTER INITIAL CLEANING	82.10	64.02	-2.19	-1.68	3.62	2.90	21.45
AFTER FINAL CLEANING	125.01	94.33	-0.36	0.11	4.99	5.66	25.83

Coolelf Auto Supra	Al (SAE329)	AlMn	CAST IRON	STEEL	Cu	CuZn	SOLDER CB
AFTER INITIAL CLEANING	9.77	0.71	-0.07	0.17	1.44	1.62	0.43
AFTER FINAL CLEANING	23.58	4.14	0.0	0.24	2.63	2.53	0.55

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