

Product Data Sheet

Tomoil™ Antifreeze G12+ Concentrate

Antifreeze

Product description

Tomoil™ Antifreeze G12+ Concentrate represents a top-tier coolant (antifreeze) concentrate crafted with monoethylene glycol and organic additive technology. Its composition excludes nitrites, amines, phosphates, borates, silicates, and 2-ethylhexanoic acid, ensuring dependable protection for engine metal parts, covering cast iron, aluminum, copper, and steel.

Application

- Prevents deposits reliably
- Provides reliable protection for metals and alloys (brass, copper, alloy-treated steel, cast iron, aluminum) from all forms of corrosion
- Offers unsurpassed protection against cavitation
- Minimizes foam formation
- Enhances heat transfer
- Extends service life in cooling systems

Features & Benefits

Tomoil™ Antifreeze G12+ Concentrate is suitable for all types of radiators made of cast iron, aluminum, copper alloys, or their combinations. It is especially recommended for modern engines, where high-temperature protection of aluminum is particularly important.

Typical Properties

Property	Unit	Test method	Typical value
Appearance	-	Visual	Clear, green/blue homogenous liquid
Density at 15.5 °C	g/cm ³	ASTM D 4052	1.12
Boiling Point	°C	ASTM D 1120	180
Foaming Properties	cm ³ sec	ASTM D 892	10 0
Corrosion on Glassware - Copper - Solder - Brass - Steel - Cast Iron - Aluminum	mg/cm ²	ASTM D 1384	0.04 0.28 0.04 0.02 0.02 0

Typical property characteristics are based on current production. Whilst future production will conform to TomoilTM specifications, variations in these characteristics may occur.

Performance claims

- AFNOR NF R15-601 (France)
- AS 2108 (Australia)
- ASTM D3306 (USA)
- ASTM D4656 (USA)
- ASTM D4985 (USA)
- BS 6580: 2010 (UK)
- CUNA NC 956-16
- FVV Heft R443
- SAE J 1034
- NATO S-759
- UNE 26361-88
- Cummins CES 14603
- DAF 74002
- Ford WSS-M97B44-D
- General Motors GM 6277M
- MAN 324 SNF
- MB 325.3
- Renault 41-01-001
- SEAT TL 774 D & F
- Skoda TL 774 D & F
- Volkswagen VAG TL 774 D & F
- Volvo VCS

TOMOIL CONCENTRA TE, % v/v	Distilled or Soft Water, % v/v	Freezing Protection down to Temperature*, °C
33	67	- 17
40	60	- 25
50	50	- 40
60	40	- 55
70	30	- 70

Health, Safety & Environment

- **Health and Safety**

This product is unlikely to present any significant health or safety hazard when properly used in the recommended application, and good standards of industrial and personal hygiene are maintained.

For further guidance on Product Health & Safety refer to the appropriate Safety Data Sheet which can be obtained upon request or through our website: www.tomoil.de

- **Protect the Environment**

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

Available pack sizes

- 1 L Canister plastic
- 4 L Canister plastic
- 5 L Canister plastic
- 20 L Canister plastic
- 30 L Canister plastic
- 200 L Drum sheet metal
- 1000 L Container

Storage

- We recommend to store all packages under cover.
- Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings.
- Products should not be stored above 60 °C, exposed to hot sun or freezing conditions.

Notes

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet. It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility is taken by ALCO LLC for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale. You should consult our sales specialists if you require any further information.

