

# TEHNICAL DATA SHEET

## **HEXOL G12+ ALUPRO ANTIFREEZE**

CONCENTRATE/DILUTED ANTIFREEZE

#### PRODUCT DESCRIPTION

HEXOL G12+ Alupro Antifreeze Concentrate is formulated with special additives (Organic Acid Technology OAT) in order to meet the cooling requirements of modern engines, with aluminium alloy engine bloc, running on gasoline or diesel, that equip both passenger and commercial vehicles. Used all year round, it provides corrosion protection for the entire cooling system's components (non-metal, metal, plastic or rubber), in all engine applications. It does not contain silicates, nitrites, phosphates or amines and it does not require an initial addition of Supplemental Coolant Additives (SCA) for HD applications.

#### PERFORMANCE FEATURES

- -does not contain silicates, phosphates, nitrites or amines;
- -does not require any supplementary additive for usage in heavy vehicles;
- -fulfils the requirements of the following standards: AFNOR NF R 15-601, ASTM D 3306, BS 6580-2010, FFV Heft R443, SAE J1034, Chrysler MS 9176, DAF 74002, Deutz DQC CB-14, Fiat 9.55523, Ford ESE M97B49-A, Ford WSS-M97B44-D, John Deere H24 B1/C1, MAN 324 Type SNF, MB 325.3, Opel GM QL 130100, Renault 41-01-00, VW TL 744D/F (G-12, G-12 Plus);
- -assures excellent cooling of the engine and protection against boiling up to 107 °C after dilution;
- -provides protection against freezing for various temperatures depending on the dilution.

#### **APPLICATION**

- -all vehicles or engines of any kind that requires liquid cooling, both cars and heavy equipment with diesel, turbo-diesel, petrol or gas engines;
- -in case of concentrate antifreeze, it is used only diluted with distilled or demineralized water, in volumes according to the table below, for freezing temperatures at -27 °C or -35 °C as needed.

### **PROPERTIES**

	Concentrate	-35 °C	-27 °C	
рН	5.8-7	7-8	7-8	
Density la 15 °C [kg/m³]	1110-1130	1070-1085	1045-1055	
Boiling point [ °C], min	150	107	105	
Freezing point [ °C], max	-12			
Diluted with water 1:1		-35		
Diluted with water 3:4			-27	
Colour	pink	pink	pink	
PACKAGING         □ 0.4kg       □ 1kg       □ 4kg         □ 0.23l       □ 0.45l       □ 0.5l         ⋈ 4l       □ 5l       ⋈ 11kg	☐ 15kg ☐ 180kg ☐ 0.6l ☐ 0.9l ☑ 22kg ☐ 60l	5	☐ 3I ☑ 1000I	
	Density la 15 °C [kg/m³]  Boiling point [ °C], min  Freezing point [ °C], max  Diluted with water 1:1  Diluted with water 3:4  Colour  PACKAGING  0.4kg 1kg 4kg  0.23l 0.45l 0.5l	pH       5.8-7         Density la 15 °C [kg/m³]       1110-1130         Boiling point [ °C], min       150         Freezing point [ °C], max       -12         Diluted with water 1:1       Diluted with water 3:4         Colour       pink         PACKAGING            [ 0.4kg	pH       5.8-7       7-8         Density la 15 °C [kg/m³]       1110-1130       1070-1085         Boiling point [ °C], min       150       107         Freezing point [ °C], max       -12       -12         Diluted with water 1:1       -35       -35         Diluted with water 3:4       -35       -35         Colour       pink       pink         PACKAGING	pH       5.8-7       7-8       7-8         Density la 15 °C [kg/m³]       1110-1130       1070-1085       1045-1055         Boiling point [ °C], min       150       107       105         Freezing point [ °C], max       -12       -35       -35       -27         Diluted with water 3:4       -27       -27       -27       -27         Colour       pink       pink       pink       pink         PACKAGING         0.4kg       1kg       4kg       15kg       180kg       180kg       11       31         0.23l       0.45l       0.5l       0.6l       0.9l       11       31