

## Gazpromneft TOSOL

Antifreeze

**Gazpromneft TOSOL** is antifreeze made of ethylene glycol. Inorganic Acid Technology (IAT) gives protection against corrosion and overheating for automotive vehicles and industrial cooling systems. Gazpromneft TOSOL contains phosphates and mercaptobenzothiazole (MBT). Concentrated antifreeze formula needs to be diluted prior to be used.

### Applications

- Passenger and commercial vehicles, industrial cooling systems
- Gazpromneft TOSOL concentrate must be diluted prior to be used as recommended by vehicle manufacturer (see dilution chart)
- For preparation of the coolant it is recommended to use distilled or deionized water. Tap water can be used when not excessively hard.

### Dilution Chart

Antifreeze concentrate/Water, v/v%	Freeze protection
33/67	-20°C
50/50	-40°C
66/34	-65°C

### Meets the requirements

- Afnor R15-601
- BS 6580-1992

### Typical Characteristics

Properties	Method	Gazpromneft TOSOL	Gazpromneft TOSOL 65	Gazpromneft TOSOL 40	Gazpromneft TOSOL Premix
Color	visually	blue	blue	blue	blue
Density @20°C, g/cm <sup>3</sup>	ASTM D1122	1,123	1,092	1,073	1,049
Reserve Alkalinity, ml HCl	ASTM D1121	10	10	10	10
pH	ASTM D1287	9,8	10,0	10,0	9,4
Freezing Point , °C	ASTM D1177	below -35 (50% vol.)	below -60	below -35	below -16
Refractive Index @20°C	ASTM D1218	1,431	1,400	1,386	1,369

### Available type and size

Product Name	Type	Available Size
Gazpromneft TOSOL	Concentrate (needs to be diluted prior to be use)	220kg, 1000kg
Gazpromneft TOSOL 40	Ready to use product that has been premixed with concentrate and water to provide efficient protection down to -35°C	1kg, 5 kg, 10kg, 220kg, 1000kg
Gazpromneft TOSOL 65	Ready to use product that has been premixed with concentrate and water to provide efficient protection down to -60°C	5 kg, 10kg, 220kg, 1000kg
Gazpromneft TOSOL Premix	Ready to use product that has been premixed with concentrate and water to provide efficient protection down to -16°C	1kg, 5 kg, 10kg, 220kg

## Health, Safety & Environment

Information is provided for products in the relevant Safety Data Sheet (SDS). This provides guidance on potential hazards, precautions and first-aid measures, together with environmental effects and disposal of used products. SDS's are available upon request through your sales contract office. This product should not be used for purposes other than its intended use.

