# SPINTA ANTIFREEZE CONCENTRATE

Product Code: SP-CS-ANTI-CONC

**Concentrated Protective Antifreeze Coolant**

## PRODUCT DESCRIPTION

SPINTA ANTIFREEZE CONCENTRATE is a monoethylene-glycol-based protective antifreeze coolant for internal-combustion-engine cooling systems. Its NAP-free formulation helps prevent corrosion, deposits and scale while supporting efficient heat exchange. The concentrate must be diluted with demineralized water according to the desired protection level.

## APPLICATIONS & BENEFITS

**NAP-Free Formula** Free from nitrites, amines and phosphates.
**Corrosion Protection** Helps protect metallic cooling-system components and reduce deposits and scale formation.
**Long-Life Performance** Source formulation provides three years of total protection under appropriate service conditions.

## KEY PERFORMANCE BENEFITS

**Adjustable Protection** Dilution ratio allows freezing protection to be selected according to operating conditions.
**Heat Transfer** Efficient thermal exchange supports stable engine operating temperature.
**Hard-Water Stability** Complete water miscibility and source-reported stability against precipitation in hard water.

## SPECIFICATIONS & PERFORMANCE LEVELS

Meets or exceeds the following specifications and performance levels; suitable-for-use claims as indicated:

- BS 6580 (GB)
- FVV Heft R 443 (D)
- EMPA (CH)
- AFNOR R 15/601 (F)
- ASTM D 3306
- ASTM D 4985
- E/L 1415c (MIL Italy)
- SAE J 1034
- JIS K 2234 (J)
- Volvo Reg. N° 260
- KSM 2142 (K)
- NATO S 759
- GM US 6277 M
- CUNA NC 956-16 (I)
- UNE 26361-88 (E)
- Mercedes DBL 7700
- Ford WSS-M97B44-C
- Ford ESD M97 B49-A
- MAN 324 Type SNF
- Chrysler MS 9176
- Opel GM QL 130100
- BMW N 600 69.0
- DTFR 29C100
- Porsche/VW/Audi/Seat/Skoda TL-774 C
- Iveco 18-1830
- FIAT

Recommendation: Dilute only with demineralized water and follow the vehicle or equipment manufacturer's required concentration and coolant specification.

## TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS

| Property | Test Method | Typical Value |
|---|---|---|
| **Nature** | - | Ethylene glycol + inhibitors |
| **Appearance** | Visual | Liquid |
| **Color** | Visual | Blue |
| **Density @ 20°C, kg/dm³** | ASTM D 1122 | 1.115 |
| **Boiling Point, °C** | ASTM D 1120 | 170 |
| **Flash Point, °C** | ISO 2592 | 111 |
| **pH [50% diluted]** | ASTM D 1287 | min. 7.5 |
| **Corrosion in Glass** | ASTM D 1384 | Exceeds |
| **Alkaline Reserve, ml HCl 0.1N** | ASTM D 1121 | 15.0 |
| **Water Content** | DIN 51777 | max. 3.5% |
| **Miscibility with Water** | - | Complete |
| **Stability with Hard Water** | - | Not precipitate |
| **Dilution 33% product / 67% water** | - | Freezing -18°C / Boiling +104°C |
| **Dilution 50% / 50%** | - | Freezing -38°C / Boiling +108°C |
| **Dilution 60% / 40%** | - | Freezing -48°C / Boiling +111°C |

Note: The values shown above are typical for normal production and may vary within normal manufacturing tolerances. They do not constitute a product specification or contractual limit.

## STORAGE, HEALTH & ENVIRONMENT

### STORAGE

Store under cover whenever possible. If outdoor storage cannot be avoided, containers should be protected from rain and water infiltration. Avoid temperatures above 60°C, direct sunlight and freezing conditions.

### HEALTH & SAFETY

When properly used and handled in accordance with standard personal hygiene practices, the product is not expected to present adverse health effects under normal conditions of use. Refer to the corresponding SPINTA Safety Data Sheet (SDS) for detailed precautions and first-aid information.

### ENVIRONMENT

Do not discharge new or used product into drains, sewage systems, soil or watercourses. Used product must be collected and delivered to an authorized collection or disposal facility in accordance with applicable regulations.

## ADDITIONAL INFORMATION

Safety Data Sheet (SDS): The corresponding SPINTA Safety Data Sheet is available separately and should be consulted before handling or using the product.
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