



# Antifreeze S 40

**Radiator protection concentrate Colour: red**

## Description:

**Antifreeze S 40** is a full concentrate radiator protection based on Monoethylene glycol for operation in summer and winter, with frost and rust protection effect (all-year operation).

**Antifreeze S 40**, the high-performance corrosion antifreeze protection for motors and cooling systems meets the modern demands of the development in motor construction.

**Antifreeze S 40** is free of nitrites, amines, phosphates and silicate.

## Properties:

- Protection against corrosion for all parts of the cooling system made of the materials steel, gray iron, aluminium, copper, brass, soft solder.
- Avoidance of cavitation damages, such as on the coolant pump
- Compatibility with varnishes
- Compatibility with hose and sealing materials
- Avoidance of sediments, which can cause radiator plugging
- Avoidance of foaming

## Application:

**Antifreeze S 40** is because of its specially used additives excellently suitable for aluminium, light alloy and gray iron motors (please observe manufacturer's service instructions).

Recommended working concentration 50 % **Antifreeze S 40** and 50% water, by which a radiator protection up to about -38 °C can be achieved. Antifreeze protection down to -69°C is possible with a maximum of 68% **Antifreeze S 40** and 32% water.

Depending on the type and the manufacturer's instructions the contents of the cooling system shall be replaced every 2 to 3 years.

**Suitable for/ we recommend this product for:**

|                                |                    |
|--------------------------------|--------------------|
| We recommend this product for: |                    |
| AFNOR                          | NF-R 15-601 Type 1 |
| AS                             | 2108               |
| ASTM                           | D 3306 Type I      |
| BS                             | 6580               |
| CUNA                           | NC 956-16          |
| JIS                            | K 2234             |
| ÖNORM                          | V 5123             |
| SAE                            | J 1034             |
| UNE                            | 26-361             |

## Miscibility:

- **Antifreeze S 40** can be mixed with the most of the coolants based on ethylene glycol. To achieve an optimal corrosion protection and to avoid sludge formation it is recommended to use pure **Antifreeze S 40**. For the preparation of mixtures softened water should be preferred.

Data are subject to change.

Attention: Service instructions should be observed!

KC/WI/-/-  
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**Antifreeze S 40**

| Article No. | Packaging unit |         |
|-------------|----------------|---------|
| 510 192     | Can            | 1 L     |
| 510 193     | Can            | 1500 ml |
| 510 194     | Can            | 5 L     |
| 510 195     | Can            | 20 L    |
| 510 196     | Drum           | 60 L    |
| 510 198     | Drum           | 200 L   |
| 510 199     | PE-Container   | 1000 L  |

**Typical characteristics:**

|                                   |                   |               |
|-----------------------------------|-------------------|---------------|
| Specific weight at 20°C           | kg/m <sup>3</sup> | 1.110 - 1.140 |
| Flash point COC                   | °C                | >120          |
| Boiling point                     | °C                | 165           |
| pH-value                          | (33 Vol.%)        | 7,5-8,5       |
| Water content                     | %                 | <5            |
| Foam behaviour                    |                   | corresponds   |
| Pour point antifreeze/water = 1:1 | °C                | -38           |
| Colour                            |                   | red           |

