

# ALPINE® Frostschutz Scheibenklar -30°C

Citrus scent

## Properties

**ALPINE Frostschutz Scheibenklar -30°C** prevents the windscreen washer system from freezing in the cold season and ensures good visibility through intensive cleaning action. Effortlessly removes grease and road salt residues without attacking car paint and rubber. **ALPINE Frostschutz Scheibenklar -30°C** is polycarbonate compatible and suitable for fan nozzles.

**ALPINE Frostschutz Scheibenklar -30°C** is methanol-free and as a water-miscible liquid with a flash point above 21°C not subject to the regulations of the VbF.

## Application notes

Add **ALPINE Frostschutz Scheibenklar -30°C** according to the temperatures or seasons and the mixing table in the windscreen washer system.

Make sure that the windscreen washer concentrate is mixed well with the water. By activating the system once or twice, the lines up to the spray nozzles can be rinsed water-free.

## Service description

### Ingredients:

- Alcohols
- Surfactants
- Preservation agents
- Dyes and fragrances

Mixing table		
Parts Alpine Frostschutz Scheibenklar -30°C	Water parts	Anti-frost up to:
1	0	-30°C
2	1	-15°C
1	1	-8°C

\* meets the requirements of the OEM manufacturer.  
The stated values may vary within the usual commercial range.

# ALPINE® Frostschutz Scheibenklar -30°C

Technische Angaben / <i>technical specifications</i>			
Typische Kennwerte <i>typical Parameters</i>	Prüfmethode <i>test method</i>	Einheit <i>unit</i>	Alpine Frostschutz Scheibenklar -30°C
Aussehen <i>appearance</i>	visuell <i>visual</i>		blaue Lösung <i>blue liquid</i>
Geruch <i>odour</i>			citrus <i>citrus</i>
Dichte, 15°C <i>density, 15°C</i>	ASTM D 4052	g/cm <sup>3</sup>	0,900 - 0,950
Gefrierpunkt (100% konz.) <i>freezing point (100% conc.)</i>	ASTM D 1177	°C	-30

Verzeichnis der Inhaltsstoffe nach Anhang VII, C gem. Verordnung (EG) Nr. 648/2004 <i>Ingredients register to Annex VII, C according to Regulation (EG) No 648/2004</i>				
IUPAC-Bezeichnung	CAS-Nr.	PH. Eur. Name	INCI-Bezeichnung	Konzentration
Ethanol	64-17-5	Alcoholum / ethanolum	ALCOHOL	> 10%
Wasser / Water	7732-18-5	AQUA	AQUA	> 10%
Butanon / Butanone	78-93-3		MEK	0,1 - 1%
Propan-2-ol	67-63-0		ISOPROPYL ALCOHOL	0,1 - 1%
Alkohole C12-14, ethoxyliert, sulfatiert, Natriumsalze	68891-38-3			< 0,1%
Citral / 3,7-dimethylocta-2,6-dienal	5392-40-5		CITRAL	< 0,1%
Dipentene / 1-methyl-4-(prop-1-en- 2-yl)cyclohex-1-ene	138-86-3			< 0,1%
Bronopol / 2-Brom-2-nitro-1,3-propandiol	52-51-7			< 0,1%
Terpineol	8000-41-7		TERPINEOL	< 0,1%
Parfüm / Perfume			PARFUM	< 0,1%
Farbstoff / Colourant				< 0,1%

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