

GOLDENSTONE® Winter Screen Wash Fluid

Technical Data Sheet (TDS)

Description and Application

The winter windscreen wash fluids **Goldenstone®** are formulated from denaturated ethyl alcohol and a carefully balanced selection of surfactants, 'lubricity' components, dye and fragrance.

The windscreen wash fluids **Goldenstone®** are intended to protect windscreen wiper reservoirs of the automotive vehicles against freezing. Thanks to their active cleaning components, they readily remove all types of traffic contaminants such as dust, mud, etc. to give instant clear vision.

Winter Screen Wash Goldenstone® concentrate ensures protection against freezing at ambient temperatures lower than minus 60°C and it is recommended to be diluted with distilled or soft water before use, depending on the expected ambient temperatures.

The **Winter Screen Wash Goldenstone® - minus 20°C** is ready-to-use fluid and needs no dilution.

Benefits

- Based predominately on bio-alcohol
- Free from Methanol, EDTA, phosphates, amines or nitrites, MEK, Ethyl Acetate, and Acetone.
- Contain aversive bittering agent to prevent accidental ingestion.
- Moderate foaming to facilitate efficient filling operation
- Compatible with polymeric materials, rubber seals and decorative finishes

The recommended water dilution ratios are as follows:

Winter screen wash fluid Goldenstone® concentrate, vol. parts	Water, vol. parts	Freezing Point, °C
1	1	-35
1	2	-18
1	3	-11

Typical Characteristics

Parameter	Test Method	Typical Value	
		Concentrate	Ready for use
Appearance	visual	Clear fluid	
Colour	visual	blue	Light blue
Density at 20°C, g/cm ³	ASTM D 1122	0.820	0.956
Freezing point*, °C,	ASTM D 97	minus 11*	minus 20
Lacquer test	ASTM D 1882	passes	
pH	ASTM D 1287	7.0*	7

* determined after dilution with distilled water in ratio 1:3.

Important note: typical data values do not constitute a specification but are an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved.

Health, Safety and Handling

This product is classified as dangerous and requires special labeling. The use of this product should be in accordance with the guidelines for safe handling in the safety data sheet

For more information about product MSDS, terms and conditions for storage and shelf life please visit:

www.goldenstoneoils.com