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CAVI SCALDANTI – RESISTENZE ELETTRICHE – TERMOREGOLAZIONE
 HEATING CABLES- HEATING ELEMENTS – TERMOREGULATION

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TECHNICAL DETAILS

USAGE and QUANTITY TO APPLY

It is recommended that this product be applied as a preventive measure to inhibit ice formation. As a maintenance treatment, the quantity of product required varies depending on the amount of ice and the intensity of the snowfall. The product can be applied with common garden sprayers. It can be used on all types of pavement, including asphalt, terracotta, granite, marble, brick, tile, wood and concrete. The product does not corrode metals such as steel, aluminium, copper and brass. The recommended application is 30 g/m² of product. The quantity required can vary depending on the surface being treated and the climatic conditions.

TRANSPORT and PACKAGING

Classified as a non-hazardous material under transportation regulations: no particular requirements under ADR, IMDG, IATA and RID regulations. Packaged in 2 to 5 litre cans or 1,000 litre tanks; other options available upon request.

GENERAL INFORMATION

This is a chemical formulation that does not contain glycol. The organic additives utilized are biodegradable. As per Legislative Decree 65/2003, this formulation is considered to be an eye irritant (R36).

BELOW ZERO® PHYSICAL/CHEMICAL PROPERTIES	
PHYSICAL STATE at 20°	liquid
COLOUR	colourless
ODOUR	odourless
DENSITY at 20 °C	1,2 g/cm ³
pH at 20°C	7,5 – 9
SOLUBILITY IN WATER	completely soluble
BOILING POINT at 760 mm Hg	110°C ±1
FREEZING POINT	-50°C
MAX OPERATING TEMPERATURE of the applied product	-40°C
VISCOSITY	4,06 cT
FRICTION COEFFICIENT	0,6 - 0,7

BELOW ZERO® CHEMICAL COMPOSITION	
Water	
Inorganic calcium compound	
Biodegradable organic compounds	

COMPARISON of 25% solutions	NaCl	CaCl ²	BELOW ZERO®
PHYSICAL STATE at 20°C	liquid	liquid	liquid
COLOUR	colourless	white	colourless
ODOUR	odourless	odourless	odourless
DENSITY at 20°C	1,18 g/cm ³	1,22 g/cm ³	1,25 g/cm ³
pH at 20°C	7	6,2	7,5 - 9
BOILING POINT at 760 mm Hg	107°C ±1	102°C ±1	110°C ±1
MAX OPERATING TEMPERATURE of the applied product	-10°C	-22°C	-40°C
CORRODES METALS	YES	YES	NO
STEEL	YES	YES	NO
ALLUMINIUM	YES	YES	NO
COPPER	NO	NO	NO
BRASS	SOMEWHAT	NO	NO
DAMAGES PAVEMENTS	YES	YES	NO
SLEPPERY	NO	YES	NO
AGGREGATE MATERIALS (sand, fine gravel)	YES	NO	NO
LEAVES RESIDUE	YES	NO	NO