	<b>Instructions for use</b>	Date	01.2010
	<b>ICE &amp; DUST-AWAY</b>	Version	1.4

### Possible uses

ICE & DUST-AWAY is used to prevent roads, footpaths and other surfaces from becoming slippery.

ICE & DUST-AWAY 25 is an environmentally friendly de-icer and has the SWAN Eco-Label (Nordic environmental label). ICE & DUST-AWAY 25 is not aggressive and has no detrimental effects on plants. ICE & DUST-AWAY is well suited for areas where dogs and cats move about as, contrary to road salt, the product does not dry out the paws of the animals. ICE & DUST-AWAY does not leave behind any harmful salts when leaching into groundwater.

ICE & DUST-AWAY is also suitable for reducing the amount of dust particles in the air that are harmful to human health.

### Application

ICE & DUST-AWAY should be applied undiluted. The surfaces are sprayed before snow begins to fall or ice to form. ICE & DUST-AWAY works efficiently up to approx. -14 °C.

ICE & DUST-AWAY is a liquid product (25 percent solution of Calcium Magnesium Acetate  $\text{CaMgCH}_3\text{COO}$ ) and can therefore be easily applied onto the surface by spreaders / spray containers / pressure sprayers (in the professional area by sprinkler cars). **The nozzle must be set so that the liquid comes out in drops (not as a spray).**

The fluid density of ICE & DUST-AWAY is 1:1,12 (i.e. 10 g = 11,2 ml). The information on the dosage is given in approximate values, you can however assume that a dose amount of 1:1 is correct (e. g. 10 g = 10 ml). Example: Preventively against hoar frost from 0 °C up to -3 °C according to recommendation below 5-10 g/sq.m = 5-10 ml/sq.m.


**Please note: A higher dosage does not lead to a greater success!**

### Dosage instructions

ICE & DUST-AWAY is most effective on solid and smooth surfaces. The dosing quantity has to be adapted to the current conditions such as temperature, rainfall, etc.

**Shake or stir before using.**

Dosage per m <sup>2</sup> / temperature	0 up to -3 °C	-4 up to 7 °C	-8 up to -10 °C
<b>Preventively against hoar frost</b>	<b>5 - 10 g</b>	<b>8 - 12 g</b>	<b>10 - 15 g</b>
20 litres sufficient for approx.	4.480 – 2.240 m <sup>2</sup>	2.800 – 1.867 m <sup>2</sup>	2.240 – 1.493 m <sup>2</sup>
1.000 litres sufficient for approx.	224.000 - 112.000 m <sup>2</sup>	140.000 - 93.333 m <sup>2</sup>	112.000 - 74.667 m <sup>2</sup>
<b>After snow clearance</b>	<b>15 - 25 g</b>	<b>25 - 35 g</b>	<b>35 - 50 g</b>
20 litres sufficient for approx.	1.493 - 896 m <sup>2</sup>	896 - 640 m <sup>2</sup>	640 - 448 m <sup>2</sup>
1.000 litres sufficient for approx.	74.667 - 44.800 m <sup>2</sup>	44.800 m <sup>2</sup> - 32.000 m <sup>2</sup>	32.000 - 22.400 m <sup>2</sup>

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### Influencing factors

In order to determine the needed amount of product, following factors should be taken into account:

- **Road surface** – in case of smooth and solid surfaces (asphalt, concrete, etc.) a lower dosage is generally possible, because the quantity of product applied doesn't seep away.
- **Wind speed** – together with the ambient temperature it has an enormous influence on the soil temperature and, consequently, on the dosing quantity.
- **Traffic volume** – due to the movement, a part of ICE & DUST-AWAY is always removed; for this reason the dosage has to be adapted to the speed and the traffic volume.
- **Rainfall** – the expected amount of precipitation has a great influence on the mode of action of the product.
- **Temperature** – the temperature during the application of ICE & DUST-AWAY but also the temperature conditions after the treatment have an influence on the effect achieved.

### Information

ICE & DUST-AWAY is not flammable.

In case of contact with the eyes rinse immediately with plenty of water and seek medical advice.

ICE & DUST-AWAY 25 is a 25 percent solution of  $\text{CaMgCH}_3\text{COO}$  without additives and inhibitors.

Density	1,12 g/cm <sup>3</sup> at 20°C
Viscosity	+ 5°C = 32 cP
	- 5°C = 44 cP
Freezing point	-19°C
pH value	8,8 + / - 0,5