

## Viaform Platform Deicer

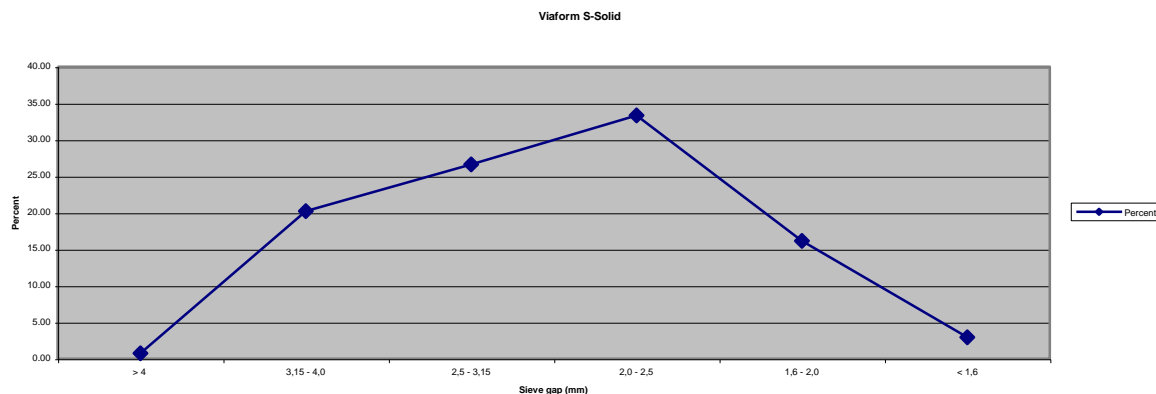
<b>Composition:</b>	> 97 wt % Sodium Formate
<b>Corrosion inhibitor:</b>	Approx. 1-3 wt%
<b>Appearance:</b>	White irregular granulate
<b>Particle (Granule) size:</b>	Typical 2-4 mm
<b>Dust content (&lt; 500 µm)</b>	Maximum 1 wt %
<b>Odour:</b>	None
<b>Specific gravity:</b>	900-950 kg/m <sup>3</sup> .
<b>Flash point:</b>	None flammable
<b>Water content:</b>	Less than 1 wt %
<b>Particle Crushing Strength:</b>	Typical 2 kg/average particle size
<b>Freezing point (25% Solution):</b>	-19 °C
<b>Miscibility with water:</b>	81 gram pr. 100 ml at 20 °C.
<b>pH 15% w/w dest. water:</b>	Typical 10.5

### Typical sieve measurement results of Viaform S-Solid

**Table: Sieve analysis numbers**

<b>1.1 Sieve Gap</b>	<b>Weight</b>	<b>Percent</b>
millimetre	gram	%
> 4	1,71	0,74
3,15 - 4,0	46,75	20,21
2,5 - 3,15	61,59	26,62
2,0 - 2,5	77,16	33,35
1,6 - 2,0	37,34	16,14
< 1,6	6,78	2,93
	231,33	100

**Graph: Graphical presentation of the sieve analysis numbers.**



**JC PEACOCK & COMPANY LTD, NORTH HARBOUR, AYR, KA8 8AE – TEL 01292 292 000 – FAX 01292 292 001**

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### Technical Approvals

- **Material compatibility of VIAFORM S-Solid:**

Metals compatible with VIAFORM S-Solid	Materials compatible with VIAFORM S-Solid	Metals not compatible with VIAFORM S-Solid
Stainless steel	Polyethylene plastic	Solder
Aluminum alloys	Polycarbonate plastic	Zinc
Magnesium alloys (dichromate treated)	Acrylic plastic	Galvanized steel
Titanium	Polychloroprene	
Cadmium plated steel	Polytetrafluoroethane	
Copper	Vulcanised ethylene-propylene	
Carbon steel	Painted surfaces	
	Bitumen	
	Glass	
	Reinforced polyester fiberglass (high pH resistant resin)	
	Silicone	
	Polymethacrylate	
	Concrete	

### Environment

#### General:

- Biodegradability tests have been performed for VIAFORM S-Solid as well as for the main component Sodium formate to document that the product is readily biodegradable in both soil and aqueous systems at room temperature as well as at low temperature
- VIAFORM S-Solid has lower oxygen demand (BOD<sub>5</sub>) than urea, glycol and potassium acetate based de-icers, i.e. oxygen depletion of soil, surface waters and sewage treatment plants is strongly reduced compared to other de-icing agents
- Eco-toxicological tests have been performed for VIAFORM S-Solid as well as for the main component Sodium formate to document that the product is non-toxic to human, animals or aquatic organisms
- VIAFORM S-Solid is neither listed as a hazardous component nor does it exhibit any of the characteristics that would cause it to be classified as a hazardous component

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- VIAFORM S-Solid has been tested according to OECD test standard for classification and labelling of chemical product – it was found to be non irritating to skin
- VIAFORM S-Solid is not based on any nitrogen salts and will therefore not contribute to eutrophication of lakes and river
- VIAFORM S-Solid do not have the potential to bio accumulate due to the low octanol/water coefficient ( $P_{ow} < 0$ )

### General Application Rates

Indicative application rates VIAFORM S-Solid

	<b>Frost &lt; 1 mm:</b>
Temperature	Dosage
From 0°C to - 5 °C	10-20 g/m <sup>2</sup>
From -5°C to - 10 °C	20-30 g/m <sup>2</sup>

	<b>Snow / ice 1 to 3 mm:</b>
Temperature	Dosage
From 0°C to - 5 °C	25-40 g/m <sup>2</sup>
From -5°C to - 10 °C	40-50 g/m <sup>2</sup>

Note! The application rate depends on elements like weather conditions, surface materials and spraying conditions.

### Storage and Handling

- VIAFORM S-Solid is available in 25 Kg bags, on pallets of 40 bags
- VIAFORM S-Solid will be delivered ready to use and must not be diluted prior to use due to the content of corrosion inhibitors
- VIAFORM S-Solid must be stored under dry conditions
- VIAFORM S-Solid can have a detrimental effect on galvanized steel

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