



**JC PEACOCK & CO LTD – PRODUCT SPECIFICATION SHEET**  
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**Viaform Liquid**

Supplier: J C Peacock & company Ltd. t/a Peacock Salt  
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Composition: 50wt% Potasium Formate solution  
Corrosion Inhibitors: <0.5 wt%  
Odour: None  
Surface Active Compounds: None  
Viscosifiers: None  
Appearance: Clear and Colourless liquid  
Density at 20° C 1330-1370kg/m<sup>3</sup>  
Viscosity at 0°C 5 cP max  
25°C 3 cP max

Temperature	Viscosity (cP)
-30	25
-20	12
-10	7.2
0	5.0
10	3.7
20	2.9
30	2.1
40	1.8

Flash Point(boiling point) >100°C  
Freezing Point: less than -50°C  
Miscibility with Water Complete  
pH Typical 10.9-11.4  
pH 10% w/w dest. Water Typical 10.5

**Materials compatible with Viaform Liquid.**

Metals	Polymers, composite materials and Rubbers
Stainless steel	Polyethylene
Aluminum Alloys	Ploycarbonate
Magnesium alloys	Acrilic
Titanium	Polychiroprene
Cadmium plated Steel	Polytetraflouoethene
Copper	Vulcanized Ethylene-propylene
Carbon Steel	Painted surfaces
	Bitumen
	Glass
	Reinforced polyester fibreglass
	Silicone
	Polymethacylate
	Concrete
	Rubber Std. (N/R 1) (H) (FPM/1) (MQ/1) (CR/1) (EP/1)
	Composite Carbon/Epoxy laminate
	Composite Glass/Epoxy Laminate
Note Viaform Granular may be corrosive with galvanised steel. The corrosion rate of viaoform is low with approx 0.07mg/cm <sup>2</sup> per day (compared to Na Cl at 0.2cm <sup>2</sup> per day	

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

**Important Note:** The information contained in this document is given in good faith and is to the best of suppliers Knowledge correct at the date of publication, but it is for the users to satisfy themselves of the suitability of the product for their purpose.

**Viaform Liquid**

**Environmental Data**

**Results:**

1. Fish toxicity: 2.5
2. Bacterial toxicity: 1.2
3. Mammal toxicity: 1,0

Average: **1.6**

**The average value corresponds to the following Water Hazardous Classification:**

Average value	Water Hazardous
0 - 1.9 0	Not hazardous to water
2.0 - 3.9 1	Slightly hazardous to water
4.0 - 5.9 2	Hazardous to water
6.0 3	Strongly hazard

**Biodegradability**

**Results:**

	BOD14 (mg O/l)	Lag phase(days)	Biodegradation(%) after 14 days
VIAFORM® LIQUID	640	5	90
Sodium Formate	631	5	90

VIAFORM® LIQUID (potassium formate) and sodium formate are easily and totally biodegradable with very low oxygen consumption. Totally 90 % of the VIAFORM® LIQUID and sodium formate were biodegraded within 14 days.

According to data from the Huntingdon test, VIAFORM® LIQUID seems to have a slow initial degradation (the first 5 days). However, more than 60% of the VIAFORM® LIQUID is biodegraded within 10 days and 90% within 15 days.

Biodegradation studies performed at Jordforsk using VIAFORM® LIQUID showed a slightly prolonged lag phase, approx. 5 days. However, after 14 days more than 90% of VIAFORM® LIQUID was biodegraded.

**Important factors:**

- \* The total oxygen consumed during the degradation process is very low – Typically 1/3 compared with potassium acetate based products
- \* The end products is harmless (CO2 and Water)
- \* The product is totally and readily biodegradable.

**Indicative application rates VIAFORM® LIQUID:**

These recommended values can vary depending on elements like weather conditions, surface materials and spraying conditions.

Frost or ice layer <1mm		Frost or ice layer 1-3mm	
Temperature	Dosage	Temperature	Dosage
0 to -5°C	11 to 18 ml/m <sup>2</sup>	0 to -5°C	22 to 30 ml/m <sup>2</sup>
-5 to -10°C	18ml to 26 ml/m <sup>2</sup>	-5 to -10°C	30 to 44 ml/m <sup>2</sup>

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Viaform Liquid

VIAFORM® LIQUID is available

- in 15 ltr Jerry Can and
- in 1000 ltr IBC containers

VIAFORM® LIQUID is delivered ready to use and must not be diluted due to the content of the corrosion inhibitor and the optimal melting capacity of VIAFORM® LIQUID at a concentration of 50 %.

VIAFORM® LIQUID can be stored in clean tanks made of polyethylene, fiberglass (approved for high pH) and painted or unpainted stainless steel. The use of galvanized steel in storage installations should be avoided due to the risk of corrosion.

VIAFORM® LIQUID is not classified as dangerous goods.