

## SAFETY DATA SHEET

### GRF150 GRANGERS PERFORMANCE REPEL PLUS

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

**Product name** GRF150 GRANGERS PERFORMANCE REPEL PLUS

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Identified uses** Water repellent product

##### 1.3. Details of the supplier of the safety data sheet

**Supplier** Grangers International Ltd  
Enterprise Way  
Duckmanton  
Derbyshire  
S44 5FD  
United Kingdom  
T: +44 (0) 1773 521521  
F: +44 (0) 1773 521262  
info@grangersinternational.co.uk

##### 1.4. Emergency telephone number

**Emergency telephone** +44 (0)1773 521521 (MON-FRI 08.00-17.00 UK TIME)

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### Classification (EC 1272/2008)

**Physical hazards** Not Classified  
**Health hazards** Not Classified  
**Environmental hazards** Not Classified

##### 2.2. Label elements

**Hazard statements** NC Not Classified  
**Precautionary statements** P102 Keep out of reach of children.

##### 2.3. Other hazards

#### SECTION 3: Composition/information on ingredients

##### 3.2. Mixtures

<b>2-methylpentane-2,4-diol</b>	<b>1-5%</b>
CAS number: 107-41-5	EC number: 203-489-0
<b>Classification</b>	
Skin Irrit. 2 - H315	
Eye Irrit. 2 - H319	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

**Composition comments** water, polysiloxane and polymer blend

#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

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<b>Inhalation</b>	If spray/mist has been inhaled, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if symptoms are severe or persist.
<b>Ingestion</b>	If throat irritation or coughing persists, proceed as follows. Rinse mouth thoroughly with water. Get medical attention if symptoms are severe or persist.
<b>Skin contact</b>	Rinse cautiously with water for several minutes. Get medical attention if symptoms are severe or persist after washing.
<b>Eye contact</b>	IF IN EYES: Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if symptoms are severe or persist after washing.

### 4.2. Most important symptoms and effects, both acute and delayed

<b>Inhalation</b>	Prolonged or repeated exposure may cause the following adverse effects: Irritation of nose, throat and airway.
<b>Ingestion</b>	May cause discomfort if swallowed.
<b>Skin contact</b>	Prolonged contact may cause redness, irritation and dry skin.
<b>Eye contact</b>	May cause temporary eye irritation.

### 4.3. Indication of any immediate medical attention and special treatment needed

<b>Notes for the doctor</b>	Treat symptomatically.
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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	The product is not flammable.
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### 5.2. Special hazards arising from the substance or mixture

<b>Hazardous combustion products</b>	None known.
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### 5.3. Advice for firefighters

<b>Protective actions during firefighting</b>	No specific firefighting precautions known.
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## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

<b>Personal precautions</b>	Follow precautions for safe handling described in this safety data sheet.
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### 6.2. Environmental precautions

<b>Environmental precautions</b>	Avoid discharge into drains or watercourses or onto the ground.
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### 6.3. Methods and material for containment and cleaning up

<b>Methods for cleaning up</b>	Absorb small quantities with paper towels and evaporate in a safe place. Flush away spillage with plenty of water.
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### 6.4. Reference to other sections

<b>Reference to other sections</b>	For personal protection, see Section 8.
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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

<b>Usage precautions</b>	Avoid spilling. Avoid contact with skin and eyes.
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**Advice on general occupational hygiene** No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** No specific recommendations.

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure controls/Personal protection

### 8.1. Control parameters

**Ingredient comments** No exposure limits known for ingredient(s).

### 8.2. Exposure controls

#### Protective equipment



**Appropriate engineering controls** Provide adequate ventilation.

**Eye/face protection** Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.

**Hand protection** Wear protective gloves. Nitrile: Thickness >0.3mm - Permeation time according to EN 374-3:>60 minutes Polychloroprene. Thickness >0.7mm - permeation time according to EN 374-3:>60 minutes For prolonged or repeated contact: Nitrile: Thickness > 0.45mm - Permeation time according to EN 374-3: >480 minutes

**Hygiene measures** No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.

**Respiratory protection** If ventilation is inadequate, suitable respiratory protection must be worn.

**Environmental exposure controls** The risk management measures that adequately control exposure of the environment are set out in the exposure scenarios in the annex to this Safety Data Sheet.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**Appearance** Liquid.

**Colour** White.

**Odour** Slight. Characteristic.

**pH** pH (concentrated solution): 5-6

**Relative density** ~ 1.00 @ 21°C

### 9.2. Other information

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity** There are no known reactivity hazards associated with this product.

### 10.2. Chemical stability

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**Stability** Stable at normal ambient temperatures and when used as recommended.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** No potentially hazardous reactions known.

### 10.4. Conditions to avoid

**Conditions to avoid** Avoid excessive heat for prolonged periods of time. Avoid freezing.

### 10.5. Incompatible materials

**Materials to avoid** No specific material or group of materials is likely to react with the product to produce a hazardous situation.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** No known hazardous decomposition products.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Toxicological effects** No information available.

**Inhalation** Prolonged or repeated exposure to vapours in high concentrations may cause the following adverse effects: May cause respiratory system irritation. Coughing.

**Ingestion** May cause discomfort if swallowed.

**Skin contact** The liquid may be irritating to skin.

**Eye contact** Vapour or spray in the eyes may cause irritation and smarting.

## SECTION 12: Ecological information

**Ecotoxicity** Not regarded as dangerous for the environment.

### 12.1. Toxicity

#### Acute aquatic toxicity

**Acute toxicity - fish** Not considered toxic to fish

### 12.2. Persistence and degradability

**Persistence and degradability** There are no data on the degradability of this product.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

### 12.4. Mobility in soil

**Mobility** Mobile. The product is water-soluble and may spread in water systems.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

### 12.6. Other adverse effects

**Other adverse effects** Not determined.

## SECTION 13: Disposal considerations

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### 13.1. Waste treatment methods

**General information** Dispose of waste product or used containers in accordance with local regulations

### SECTION 14: Transport information

**General** Not regulated.

#### 14.1. UN number

Not applicable.

#### 14.2. UN proper shipping name

Not applicable.

#### 14.3. Transport hazard class(es)

Not regulated. No transport warning sign required.

#### 14.4. Packing group

Not applicable.

#### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**

No.

#### 14.6. Special precautions for user

Not applicable.

#### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

**Transport in bulk according to** Not relevant.

**Annex II of MARPOL 73/78  
and the IBC Code**

### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

**EU legislation** Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### SECTION 16: Other information

**Revision date** 11/12/2018

**Revision** 8

**Supersedes date** 11/12/2018

**SDS number** 5916

**Hazard statements in full** H315 Causes skin irritation.  
H319 Causes serious eye irritation.