



**SAFETY DATA SHEET**  
**BNM Growise Water Retaining Gel 250g**

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

**1.1. Product identifier**

<b>Product name</b>	BNM Growise Water Retaining Gel 250g
<b>Product number</b>	7529D
<b>REACH registration notes</b>	Exempt from REACH registration according to Regulation (EC) No. 1907/2006 (REACH)

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

<b>Identified uses</b>	Water Retaining Fertiliser for soils and substrates
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**1.3. Details of the supplier of the safety data sheet**

<b>Supplier</b>	Bord Na Mona Horticulture Main Street, Newbridge, Co. Kildare, Ireland Tel: +353 (0) 45 439 886 - Mon to Fri 9am - 5pm customersupport@bnm.ie; www.bordnamonahorticulture.ie Fax: +353 (0) 45 439 001
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**1.4. Emergency telephone number**

<b>Emergency telephone</b>	+44 800 973 555 (Emergency)
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**SECTION 2: Hazards identification**

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

**Classification**

<b>Physical hazards</b>	Not Classified
<b>Health hazards</b>	Not Classified
<b>Environmental hazards</b>	Not Classified

**2.2. Label elements**

<b>Hazard statements</b>	NC Not Classified
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**2.3. Other hazards**

This substance is not classified as PBT or vPvB according to current EU criteria.

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

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

<b>Inhalation</b>	Get medical attention if symptoms are severe or persist.
<b>Ingestion</b>	Rinse mouth with water but do not swallow. Do not induce vomiting. Get medical attention if symptoms are severe or persist.
<b>Skin contact</b>	Wash skin thoroughly with soap and water or use an approved skin cleanser. Get medical attention if symptoms are severe or persist after washing.

## BNM Growise Water Retaining Gel 250g

**Eye contact** Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Continue to rinse for at least 10 minutes. Get medical attention if symptoms are severe or persist after washing.

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

**Inhalation** No adverse effects known.

**Ingestion** No harmful effects expected from quantities likely to be ingested by accident.

**Skin contact** Skin irritation should not occur when used as recommended.

**Eye contact** Particles in the eyes may cause irritation and smarting.

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

**Notes for the doctor** Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media** The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

**Unsuitable extinguishing media** Not applicable.

### 5.2. Special hazards arising from the substance or mixture

**Specific hazards** Product swells in water

### 5.3. Advice for firefighters

**Protective actions during firefighting** No specific firefighting precautions known.

**Special protective equipment for firefighters** Use protective equipment appropriate for surrounding materials. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## SECTION 6: Accidental release measures

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

**Personal precautions** Avoid inhalation of dust and contact with skin and eyes. Use suitable respiratory protection if ventilation is inadequate. Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Take care as floors and other surfaces may become slippery.

### 6.2. Environmental precautions

**Environmental precautions** The product is not expected to be hazardous to the environment. The product is insoluble in water and will spread on the water surface. Avoid discharge to the aquatic environment. The product is not biodegradable. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body. Do not discharge into drains or watercourses or onto the ground.

### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up** Take care as floors and other surfaces may become slippery. Collect spillage with a shovel and broom, or similar and reuse, if possible. Collect and place in suitable waste disposal containers and seal securely. Collect and dispose of spillage as indicated in Section 13.

### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8. For waste disposal, see Section 13.

## SECTION 7: Handling and storage

## BNM Growise Water Retaining Gel 250g

### 7.1. Precautions for safe handling

<b>Usage precautions</b>	Read label before use. Wear appropriate clothing to prevent repeated or prolonged skin contact. Avoid inhalation of dust and contact with skin and eyes.
<b>Advice on general occupational hygiene</b>	Wash hands thoroughly after handling. Wash at the end of each work shift and before eating, smoking and using the toilet.

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

<b>Storage precautions</b>	Store in a dry place. Protect from moisture.
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### 7.3. Specific end use(s)

<b>Specific end use(s)</b>	The identified uses for this product are detailed in Section 1.2.
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## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

### 8.2. Exposure controls

#### Protective equipment



<b>Appropriate engineering controls</b>	All handling should only take place in well-ventilated areas. Mechanical ventilation or local exhaust ventilation may be required.
<b>Eye/face protection</b>	Wear Safety glasses with side shields. Contact lenses should not be worn when working with this chemical.
<b>Hand protection</b>	Wear protective gloves.
<b>Other skin and body protection</b>	No specific requirements are anticipated under normal conditions of use.
<b>Hygiene measures</b>	Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.
<b>Respiratory protection</b>	Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m <sup>3</sup> .

## SECTION 9: Physical and Chemical Properties

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

<b>Appearance</b>	Crystals.
<b>Colour</b>	Off-white. to Light brown.
<b>Odour</b>	No characteristic odour.
<b>Odour threshold</b>	Not determined.
<b>pH</b>	Not determined.
<b>Melting point</b>	Not relevant.
<b>Initial boiling point and range</b>	Not relevant.
<b>Flash point</b>	Not relevant.
<b>Evaporation rate</b>	Not relevant.
<b>Flammability (solid, gas)</b>	The product is not flammable.
<b>Vapour pressure</b>	Not relevant.

## BNM Growise Water Retaining Gel 250g

<b>Vapour density</b>	Not relevant.
<b>Relative density</b>	Not relevant.
<b>Bulk density</b>	0.65 - 0.75
<b>Solubility(ies)</b>	Insoluble in water.
<b>Partition coefficient</b>	Not known.
<b>Auto-ignition temperature</b>	Not relevant.
<b>Decomposition Temperature</b>	Not relevant.
<b>Viscosity</b>	Not relevant.
<b>Explosive properties</b>	Not relevant.
<b>Oxidising properties</b>	Does not meet the criteria for classification as oxidising.

### 9.2. Other information

<b>Other information</b>	No information required.
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

<b>Reactivity</b>	No test data specifically related to reactivity available for this product or its ingredients.
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### 10.2. Chemical stability

<b>Stability</b>	Stable when stored in a dry place.
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### 10.3. Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	No potentially hazardous reactions known.
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### 10.4. Conditions to avoid

<b>Conditions to avoid</b>	There are no known conditions that are likely to result in a hazardous situation.
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### 10.5. Incompatible materials

<b>Materials to avoid</b>	Avoid contact with water. Product swells in water.
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### 10.6. Hazardous decomposition products

<b>Hazardous decomposition products</b>	Thermal Decomposition may produce Nitrous gases (NOx). Hydrogen cyanide (HCN). Carbon dioxide (CO <sub>2</sub> ). Carbon monoxide (CO).
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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - oral

<b>Notes (oral LD<sub>50</sub>)</b>	No specific test data are available.
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#### Acute toxicity - dermal

<b>Notes (dermal LD<sub>50</sub>)</b>	LD <sub>50</sub> >5000 mg/kg, Dermal, Rabbit
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#### Acute toxicity - inhalation

<b>Notes (inhalation LC<sub>50</sub>)</b>	No specific test data are available.
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#### Skin corrosion/irritation

<b>Skin corrosion/irritation</b>	Based on available data the classification criteria are not met.
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## BNM Growise Water Retaining Gel 250g

### Serious eye damage/irritation

**Serious eye damage/irritation** Based on available data the classification criteria are not met.

### Respiratory sensitisation

**Respiratory sensitisation** Based on available data the classification criteria are not met.

### Skin sensitisation

**Skin sensitisation** Based on available data the classification criteria are not met.

### Germ cell mutagenicity

**Genotoxicity - in vitro** This substance has no evidence of mutagenic properties.

### Carcinogenicity

**Carcinogenicity** Based on available data the classification criteria are not met.

### Reproductive toxicity

**Reproductive toxicity - fertility** Does not contain any substances known to be toxic to reproduction.

### Specific target organ toxicity - single exposure

**STOT - single exposure** Not classified as a specific target organ toxicant after a single exposure.

### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** Not classified as a specific target organ toxicant after repeated exposure.

### Aspiration hazard

**Aspiration hazard** Not anticipated to present an aspiration hazard, based on chemical structure.

**General information** No specific health hazards known.

## SECTION 12: Ecological Information

**Ecotoxicity** The product is not expected to be toxic to aquatic organisms.

### 12.1. Toxicity

**Acute toxicity - aquatic invertebrates** Aquatic toxicity is unlikely to occur.

**Acute toxicity - aquatic plants** Aquatic toxicity is unlikely to occur.

**Acute toxicity - microorganisms** Aquatic toxicity is unlikely to occur.

### 12.2. Persistence and degradability

**Persistence and degradability** The product is not readily biodegradable.

**Stability (hydrolysis)** Does not Hydrolyse

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** The product is not bioaccumulating.

**Partition coefficient** Not known.

### 12.4. Mobility in soil

**Mobility** No data available.

### 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.

## BNM Growise Water Retaining Gel 250g

### 12.6. Other adverse effects

**Other adverse effects** Not relevant.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information** The generation of waste should be minimised or avoided wherever possible. Incineration or landfill should only be considered when recycling is not feasible. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

**Disposal methods** Reuse or recycle products wherever possible. Collect and place in suitable waste disposal containers and seal securely. No specific disposal method required.

## SECTION 14: Transport information

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### 14.1. UN number

Not applicable.

### 14.2. UN proper shipping name

Not applicable.

### 14.3. Transport hazard class(es)

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 MARPOL73/78 and the IBC Code

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

## 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).  
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## BNM Growise Water Retaining Gel 250g

### SECTION 16: Other information

<b>Revision comments</b>	NOTE: Lines within the margin indicate significant changes from the previous revision.
<b>Revision date</b>	20/09/2016
<b>Revision</b>	1
<b>SDS number</b>	5571

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