



**SAFETY DATA SHEET**  
**BNM Growise Sulphate of Ammonia 1.5kg**

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

**1.1. Product identifier**

**Product name** BNM Growise Sulphate of Ammonia 1.5kg  
**Product number** 7511D  
**REACH registration notes** 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**

**Identified uses** Fertiliser

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

**Supplier** 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

**1.4. Emergency telephone number**

**Emergency telephone** +44 800 973 555 (Emergency)

**SECTION 2: Hazards identification**

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

**Classification**

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

**2.2. Label elements**

**Hazard statements** NC Not Classified

**2.3. Other hazards**

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

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

**3.2. Mixtures**

<b>Ammonium Sulphate</b>	<b>60-100%</b>
CAS number: 007783-20-2	EC number: 231-984-1
	REACH registration number: 01-2119455044-46-XXXX

**Classification**  
 Not Classified

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

## BNM Growise Sulphate of Ammonia 1.5kg

### 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>	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.
<b>Eye contact</b>	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

<b>Inhalation</b>	Dust in high concentrations may irritate the respiratory system.
<b>Ingestion</b>	No harmful effects expected from quantities likely to be ingested by accident.
<b>Skin contact</b>	Skin irritation should not occur when used as recommended.
<b>Eye contact</b>	The product is considered to be a low hazard under normal conditions of use.

#### 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. Use fire-extinguishing media suitable for the surrounding fire.
<b>Unsuitable extinguishing media</b>	Not applicable.

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

<b>Specific hazards</b>	None known.
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#### 5.3. Advice for firefighters

<b>Protective actions during firefighting</b>	No specific firefighting precautions known.
<b>Special protective equipment for firefighters</b>	Use protective equipment appropriate for surrounding materials.

### SECTION 6: Accidental release measures

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

<b>Personal precautions</b>	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.
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#### 6.2. Environmental precautions

<b>Environmental precautions</b>	The product is slowly degradable. The product is not expected to be hazardous to the environment. Avoid the spillage or runoff entering drains, sewers or watercourses. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.
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#### 6.3. Methods and material for containment and cleaning up

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**Methods for cleaning up** Take care as floors and other surfaces may become slippery. Collect and dispose of spillage as indicated in Section 13. Collect spillage with a shovel and broom, or similar and reuse, if possible. Flush contaminated area with plenty of water.

### 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

### 7.1. Precautions for safe handling

**Usage precautions** Read label before use. Wear appropriate clothing to prevent repeated or prolonged skin contact. Avoid inhalation of dust and contact with skin and eyes.

**Advice on general occupational hygiene** 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

**Storage precautions** Store in a cool and well-ventilated place. Store in a dry place. Protect against fire and explosion. Keep away from food and feedstuffs. Store away from the following materials: Alkalis. Strong oxidising agents, chlorates, nitrates and nitrites.

### 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

#### Occupational exposure limits

##### **Ammonium Sulphate**

Long-term exposure limit (8-hour TWA): LTEL 10Mg/m<sup>3</sup>

### 8.2. Exposure controls

#### **Protective equipment**



**Appropriate engineering controls** All handling should only take place in well-ventilated areas.

**Eye/face protection** Wear eye protection.

**Hand protection** Wear protective gloves.

**Other skin and body protection** Wear appropriate clothing to prevent repeated or prolonged skin contact.

**Hygiene measures** Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.

**Respiratory protection** No specific recommendations.

## SECTION 9: Physical and Chemical Properties

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

**Appearance** Crystalline solid.

**Colour** White.

**Odour** Odourless.

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<b>Odour threshold</b>	Not determined.
<b>pH</b>	5 (100g/l)
<b>Melting point</b>	350°C
<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.
<b>Vapour density</b>	Not relevant.
<b>Relative density</b>	Not relevant.
<b>Bulk density</b>	1.0 - 1.12 g/ml
<b>Solubility(ies)</b>	754 g/l water @ 20°C
<b>Partition coefficient</b>	: 5.1 (n-Octanol/Water)
<b>Auto-ignition temperature</b>	Not relevant.
<b>Decomposition Temperature</b>	>235°C
<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

**Other information** No information required.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity** No test data specifically related to reactivity available for this product or its ingredients.

### 10.2. Chemical stability

**Stability** Stable when stored in a dry place. Stable under the prescribed storage conditions.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Can enhance explosive properties of Ammonium Nitrate. Dangerous reactions with nitrates. Can produce thermally sensitive mixtures with potassium chlorate and potassium nitrate. Reacts with alkalis to liberate ammonia.

### 10.4. Conditions to avoid

**Conditions to avoid** Avoid heat.

### 10.5. Incompatible materials

**Materials to avoid** Avoid contact with the following materials: Alkalis. Strong oxidising agents, chlorates, nitrates and nitrites.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Major volatiles above the decomposition temperature will be Sulphur Oxides and Ammonia.

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### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** No specific test data are available.

##### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** No specific test data are available.

##### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** No specific test data are available.

##### Skin corrosion/irritation

**Skin corrosion/irritation** Based on available data the classification criteria are not met.

##### Serious eye damage/irritation

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

##### Respiratory sensitisation

**Respiratory sensitisation** No specific test data are available.

##### Skin sensitisation

**Skin sensitisation** Not determined.

##### Germ cell mutagenicity

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

##### Carcinogenicity

**Carcinogenicity** No specific test data are available.

##### 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

#### 12.2. Persistence and degradability

**Persistence and degradability** The product is slowly degradable.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential** Ammonium Sulphate is not expected to absorb or bioaccumulate to a significant level based on the high water solubility and ionic nature.

**Partition coefficient** : 5.1 (n-Octanol/Water)

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### 12.4. Mobility in soil

**Mobility** Soil mobility may be reduced through ion-ion interactions

### 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** Inorganic product which cannot be eliminated from water by biological purification processes. Ammonium Salt, NH<sub>4</sub><sup>+</sup>: can oxidise to nitrate, or be reduced to nitrogen, by micro organisms. Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information** 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. 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** Not applicable.

**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

## BNM Growise Sulphate of Ammonia 1.5kg

### 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.

### 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>	5585

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