

# WILLIAM SINCLAIR HORTICULTURE LTD

## PRODUCT DATA SHEET

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Commercial product name:	<b>J Arthur Bower's Growmore Multi-Purpose Plant Food</b>
Description	Granular plant food to provide a balance of nutrients to promote strong growth NPK: 7-7-7
Manufacturer	William Sinclair Horticulture Firth Road Lincoln LN6 7AH Tel: (01522) 537561 Fax: (01522) 513209

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterisation of active component: Granules composed of potassium chloride, superphosphate and ammonium sulphate plus sand

### 3. HAZARDS IDENTIFICATION

#### 3.1 Human Health

Dust is the main hazard to human health.  
Large bags should be lifted with care.  
Molten material will cause burns and inhalation of decomposition gases (e.g. in a fire) may cause serious delayed lung effects

#### 3.2 Environment

As this fertiliser contains phosphate, heavy spillage may cause adverse environmental impact. See section 12.

### 4. FIRST AID MEASURES

Skin contact:	Wash hands after use. Wash from cuts and abrasions with soap and water
Eye contact:	Immediately irrigate with plenty of clean water
Ingestion:	Rinse mouth and drink plenty of water. Do not induce vomiting.
Inhalation:	Move into fresh air

**If symptoms persist seek medical advice.**

## 5. FIREFIGHTING MEASURES

When the fertiliser **is not** directly involved in the fire use the best means available to control the fire.

When the fertiliser **is** involved:-

1. Avoid breathing the fumes. Wherever possible wear an approved breathing mask when fighting a fire or when fumes are being emitted.
2. Call the fire brigade
3. Use plenty of water
4. Open doors and windows to give maximum ventilation
5. Do not allow molten product to run into drains.

## 6. ACCIDENTAL RELEASE MEASURES

Sweep up into suitable container and wash affected areas with water.

## 7. HANDLING AND STORAGE

Keep away from sources of heat, fire or explosion and away from all combustible materials and chemical substances. All materials should be handled using good working practices. Do not permit smoking or the use of naked lights in the storage area. Store in a cool, dry place away from children and pets.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protective equipment:	Not necessary
Respiratory protection:	Masks could be worn when prolonged use of this product in confined areas is anticipated
Hand and Eye protection:	Gloves and goggles could be worn when prolonged use of this product in confined areas is anticipated.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Grey granules
Odour:	Faint
Solubility in water:	Partially soluble

## 10. STABILITY AND REACTIVITY

Stable under normal storage and handling conditions. Liberates ammonia when in contact with alkalis e.g. Caustic Soda.

Do not apply heat to equipment that may have contained the fertiliser without first washing thoroughly to remove all fertiliser.

## 11. TOXICOLOGICAL INFORMATION

This product is regarded as of low toxicity

## **12. ECOLOGICAL INFORMATION**

### **12.1 Mobility**

Nutrients soluble in water. The ammonium ion is adsorbed by soil.

### **12.2 Persistence/Degradability**

The ammonium ion is adsorbed by soil particles. Phosphates, whether water or citrate soluble, are translocated in the soil over very short distances, and are then immobilised. The dissolved potassium ion in the soil solution is adsorbed by clay minerals; where these are absent in light soils part of the potassium may be leached.

### **12.3 Bio-accumulation**

The product does not show any bio-accumulation phenomena

### **12.4 Eco-toxicity**

Low toxicity to aquatic life

## **13. DISPOSAL CONSIDERATIONS**

Do not contaminate waterways – dispose of safely in accordance with current local and national regulations.

## **14. TRANSPORT INFORMATION**

Classified as non-hazardous

## **15. REGULATORY INFORMATION**

### **15.1 EC Directives**

76/116/EEC (Relating to fertilisers)

### **15.2 National Regulations**

The Fertilisers Regulations 1991 and subsequent amendments

## **16. OTHER INFORMATION**

The information contained in this Safety Data Sheet, as of the issue date, is believed to be true and correct. However, the accuracy or completeness of this information, and any recommendations or suggestions, are made without warranty or guarantee. The product label provides information on the use of this product. Since the conditions of use are beyond the control of our company, it is the responsibility of the user to determine the conditions of safe use of this product.

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