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**Product Safety Data Sheet      Lawn Sand**

**1. IDENTIFICATION OF THE PREPARATION AND THE COMPANY**

**1.1. Identification of the product-**

**1.2. Statement of recommended use -**  
To be used as a plant nutrient

**1.3. Company**  
Angus Horticulture Ltd,  
Polmood,  
Guthrie  
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**2. COMPOSITION / INFORMATION ON INGREDIENTS**

<b>Hazardous Ingredients</b>	<b>CAS</b>	<b>EINCS</b>	<b>Supply class</b>
Iron Sulphate (Ferrous Sulphate)	7720-78-7	2317535	R22

**3. HAZARDS IDENTIFICATION**

Classified as Harmful according to the Chemical (Hazards Information & Packaging for Supply) Regulations 2002

Harmful if swallowed.

**4. FIRST AID MEASURES**

**Product**

Eyes - Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Get medical aid.

Skin- Flush skin with plenty of soap and water for at least 15 minutes- remove contaminated clothing

Ingestion - Do not induce vomiting. Rinse out mouth . Get medical aid immediately

Inhalation - Remove from exposure, get to fresh air immediately. Keep warm and at rest. Get medical aid if necessary.

**Fire and Thermal Decomposition Products**

Skin / Eyes - Flush with plenty of water. Get medical aid

Inhalation - Remove from exposure to fumes, keep warm, and at rest, get medical aid

## **5. FIRE FIGHTING MEASURES**

### **5.1. Extinguishing media**

Water, Dry Powder, Carbon Dioxide (CO<sub>2</sub>)

### **5.2. Hazards**

Avoid breathing fumes- Keep upwind  
Do not allow molten fertiliser to run into drain

### **5.3. Protection**

Wear self-contained breathing apparatus in pressure demand MSHA/NIOSH approved or equivalent and full protective gear

## **6. ACCIDENTAL RELEASE MEASURES**

### **6.1. Personal**

Isolate, wear personal protective equipment

### **6.2. Environmental**

Contain and control spillage on site. Do not flush into surface water or sanitary sewer system  
Inform the appropriate water authority in the event of accidental water course contamination

### **6.3. Recovery**

Sweep up spillage promptly. Place in a clean appropriately labelled container for disposal.  
Avoid generating dusty conditions

## **7. HANDLING AND STORAGE**

### **7.1. Handling**

Avoid generation of dust. Do not breathe dust. Do not get in eyes on skin or clothing. Wear protective overalls, gloves, and eye goggles and dust mask

### **7.2. Storage**

Store in cool dry conditions; locate away from sources of heat, fire, or explosion. Keep away from combustible materials. Take care on farms to ensure it is not stored near hay, straw, grain, diesel, or other combustible materials

## **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

### **8.1. Occupational Exposure Limits**

No specific official limits HSE EH40 gives 8hr TWA Occupational exposure limits for dust as:

Total Inhalable Dust 10 mg/m<sup>3</sup>

Total Respirable Dust 4mg/m<sup>3</sup>

### **8.2. Engineering Controls**

COSHH - due consideration should be given to your control systems and the need for assessment

### **8.3. Respiratory Protection**

Use Approved Dust Respirators

### **8.4. Hand Protection**

Wear Gloves

### **8.5. Eye Protection**

Wear protective glasses or goggles

### **8.6. Other**

Wear protective clothing

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance -

Fine sandy brown powder

Odour

Odourless

pH

<7

Decomposition Temperature	may decompose ca 160C
Explosive Properties	Not Explosive
Bulk Density	Approx. 1600Kg / m <sup>3</sup>
Solubility	Partially soluble in water

## 10. STABILITY AND REACTIVITY

### 10.1. Stability

Stable under normal storage and handling conditions

### 10.2. Conditions to Avoid

Strong Heating - Do not weld or apply heat to equipment or plant which may have contained fertiliser without first washing it to remove all the fertiliser

Release of Dust

Protect from Moisture and water

### 10.3. Materials to Avoid

Incompatible with strong oxidising agents, strong bases, acids

### 10.4. Hazardous Decomposition products

Toxic Fumes: Oxides of Sulphur, Nitrogen Oxides, and Ammonia

## 11. TOXICOLOGICAL INFORMATION

(As per Ferrous Sulphate)

### Short Term

#### 11.1. Eyes

Causes eye irritation.

#### 11.2. Skin

Causes moderate skin irritation

#### 11.3. Ingestion

Large amounts of Ferrous Sulphate can be reabsorbed through the intestines and may induce a paralysis similar to Magnesium Narcosis. Ingestion of toxic amounts of Iron sulphate leads to sanguinolent vomiting, hypotonia, hyporeflexia, tarry stool. Gastric strictures may develop.

#### 11.4. Inhalation

May cause respiratory tract irritation.

## 12. ECOLOGICAL INFORMATION

Biodegradability - No data available

Aquatic Toxicity - No data available (Ferrous Sulphate is slightly hazardous to water)

Mobility - Partially soluble in water

## 13. DISPOSAL CONSIDERATIONS

### 13.1. Disposal Method

Depending on the degree of contamination dispose of by use on agricultural land by spreading on open ground or to an authorised waste facility. Take care to avoid the contamination of water courses and drains, Inform the appropriate water authority in the event of accidental water course contamination

### 13.2. Contaminated Packaging

Disposal should be in accordance with local authority regulations

## 14. TRANSPORT INFORMATION

The product has not been assessed for classification as A Dangerous Goods for Transport

## **15. REGULATORY INFORMATION**

Supply Classification: Harmful.

Labelling has been assessed with regards to the Chemical (Hazards Information & Packaging for Supply) Regulations 2002

## **16. OTHER INFORMATION**

### **16.1. Supply Classification**

Xn; Harmful

### **16.2. Risk Phrases**

R22: Harmful if swallowed

### **16.3. Safety Phrases**

S46: If swallowed seek medical advice immediately

S26: In case of contact with eyes. Rinse immediately with plenty of water and seek medical advice

S36/37/39 Wear suitable protective clothing/ Gloves, and Eye / Face protection

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